



# PRODUCT INFORMATION

## Physical Properties\*

## AA15-60

Information current as at May 2017

<b>DENSITY</b>	14.5 to 15.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	300N/m Minimum	IF 40% Minimum 50N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 70N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 65% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.5 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Low Density soft non load-bearing foam used in price sensitive areas.

## Typical Applications

Utility grade for budget Backs, Headrests, Pillows & Quilting.

## Available Colours

**White**

## Sheet Size

**2290 x 2050mm**

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P. O. Box 159 105 Robinson Road East Geebung QLD 4034



# PRODUCT INFORMATION

## Physical Properties\*

## FP15-100

Information current as at May 2017

<b>DENSITY</b>	14.5 to 15.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	300N/m Minimum	IF 40% Minimum 80N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 100N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 50% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.6 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Low Density soft non load-bearing foam used in price sensitive areas.

## Typical Applications

Utility grade for budget Backs, Headrests, Overlays & Quilting.

## Available Colours

**White**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## AA19-130

Information current as at May 2017

<b>DENSITY</b>	18.0 to 19.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	300N/m Minimum	IF 40% Minimum 115N
<b>TENSILE STRENGTH</b>	85kPa Minimum	IF 40% Maximum 145N
<b>ELONGATION</b>	175% Minimum	IF 25% RECOVERY 65% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	5% Maximum	<b>(SAG) FACTOR</b> 1.75 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Low Density non load-bearing medium hardness foam for occasional use.

## Typical Applications

General purpose grade for Arms, Backs and Seat cushioning.

## Available Colours

**Peach**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\* **AA20-100** Information current as at May 2017

<b>DENSITY</b>	19.0 to 20.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	400N/m Minimum	IF 40% Minimum 90N
<b>TENSILE STRENGTH</b>	80kPa Minimum	IF 40% Maximum 115N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 65% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	5% Maximum	<b>(SAG) FACTOR</b> 1.75 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Low Density non load-bearing soft foam used in Backs, Children's Mattresses and Headrests.

## Typical Applications

General purpose grade for Budget Backs & Bedding.

<b>Available Colours</b>	<b>White</b>	<b>Sheet Size</b>	<b>2290 x 2050mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

## FP23-130

Information current as at May 2017

<b>DENSITY</b>	21.5 to 23.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	300N/m Minimum	IF 40% Minimum 115N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 145N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 50% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.7 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Standard Density medium hardness foam used in Backs, Bedding and Seats.

## Typical Applications

Multipurpose grade for budget Seat Cushioning & Bedding. Not recommended for constant load bearing.

## Available Colours

**Light Grey**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## FP24-160

Information current as at May 2017

<b>DENSITY</b>	23.0 to 24.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	300N/m Minimum	IF 40% Minimum 145N
<b>TENSILE STRENGTH</b>	75kPa Minimum	IF 40% Maximum 175N
<b>ELONGATION</b>	150% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.7 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Medium Density medium to firm hardness foam used in Arms and Seats.

## Typical Applications

Multipurpose grade for Budget Cushioning or Supportive Convuluted Mattress Overlays.

## Available Colours

**Pale Yellow**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## MA25-50

Information current as at May 2017

<b>DENSITY</b>	25.0 to 26.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	250N/m Minimum	IF 40% Minimum 55N
<b>TENSILE STRENGTH</b>	50kPa Minimum	IF 40% Maximum 75N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	5% Maximum	<b>(SAG) FACTOR</b> 2.09 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density Super Soft non load-bearing foam used in Backs and Head Rest applications.

## Typical Applications

High Quality foam suitable for Cushion Overlays, Pillows & Mattress Overlays.

## Available Colours

**White**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\* **FP27-200** Information current as at May 2017

<b>DENSITY</b>	26.0 to 27.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	250N/m Minimum	IF 40% Minimum 180N
<b>TENSILE STRENGTH</b>	75kPa Minimum	IF 40% Maximum 220N
<b>ELONGATION</b>	150% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	35% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.7 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

### Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Medium Density firm foam used in seating and load bearing applications.

### Typical Applications

Multipurpose grade for General Upholstery, Goal Post Protectors and Packaging.

<b>Available Colours</b>	<b>Light Green</b>	<b>Sheet Size</b>	<b>2290 x 2050mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

## MA28-80

Information current as at Nov 2016

<b>DENSITY</b>	28.0 to 29.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	250N/m Minimum	IF 40% Minimum 70N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 90N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	50% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	5% Maximum	<b>(SAG) FACTOR</b> 1.88 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density non load-bearing soft foam suitable for everyday use.

## Typical Applications

Premium Grade used for Back Cushioning, Mattress Overlays.

## Available Colours

**Pale Yellow**

## Sheet Size

**2050 x 1850mm**

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# PRODUCT INFORMATION

## Physical Properties\* **S28-70 CM** Information current as at 2006

<b>DENSITY</b>	28.0 to 29.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	450N/m Minimum	IF 40% Minimum 140N
<b>TENSILE STRENGTH</b>	100kPa Minimum	
<b>ELONGATION</b>	200% Minimum	<b>INDENTATION</b>
<b>RESILIENCE</b>	50% Minimum	<b>(SAG) FACTOR</b> 1.80 Minimum
<b>COMPRESSION SET (50%)</b>	20% Maximum	

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Typical Applications**

Specialised foam used for SOUND Absorption.

Sound Recording and Sound Buffering.

## Average Random Sound Co-efficient \*\*\* - Sample 25mm Thick

125HZ - 0.1	1000HZ - 0.93
250HZ - 0.2	2000HZ - 0.88
500HZ - 0.55	4000HZ - 0.82

\*\*\*These figures are provided for guidelines only and may vary according to the test method and also from batch to batch.

## Tested to following Flammability Standards **UL94 HF-1\*\***

The flammability test results classify material accordingly to lab test conditions only, they do not reflect hazards presented by this or any other material under actual fire conditions. \*\*In house testing only.

<b>Available Colours</b>	<b>Black</b>	<b>Sheet Size</b>	<b>2000 x 1550mm</b>
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# PRODUCT INFORMATION

## Physical Properties\* **AA29-400** Information current as at May 2017

<b>DENSITY</b>	28.0 to 31.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	400N/m Minimum	IF 40% Minimum 350N
<b>TENSILE STRENGTH</b>	180kPa Minimum	IF 40% Maximum 450N
<b>ELONGATION</b>	110% Minimum	IF 25% RECOVERY 58% Minimum
<b>RESILIENCE</b>	30% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.85 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Medium Density extra firm foam for impact cushioning, load bearing and shock absorption applications.

## Typical Applications

General purpose firm foam for Instrument & Glassware Packaging, Domestic noise absorption panels.

<b>Available Colours</b>	<b>Charcoal</b>	<b>Sheet Size</b>	<b>2080 x 1880mm</b>
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# PRODUCT INFORMATION

## Physical Properties\* **ST30-100** Information current as at May 2017

<b>DENSITY</b>	29.0 to 31.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	100N/m Minimum	IF 40% Minimum 100N
<b>TENSILE STRENGTH</b>	85kPa Minimum	IF 40% Maximum 125N
<b>ELONGATION</b>	100% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	55% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	15% Maximum	<b>(SAG) FACTOR</b> 1.75 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

### Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density soft to medium hardness foam suitable for everyday use.

### Typical Applications

Premium Grade used for Back Cushioning, Mattresses, Overlays and Soft Seating.

<b>Available Colours</b>	<b>Pink</b>	<b>Sheet Size</b>	<b>2290 x 2050mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

## FP30-130

Information current as at May 2017

<b>DENSITY</b>	27.0 to 29.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	250N/m Minimum	IF 40% Minimum 125N
<b>TENSILE STRENGTH</b>	70kPa Minimum	IF 40% Maximum 155N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.70 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density medium hardness foam suitable for everyday use.

## Typical Applications

Premium Grade used for Mattresses and Seating.

## Available Colours

**White**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\* **MA31-320** Information current as at Nov 2016

<b>DENSITY</b>	30.0 to 32.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	350N/m Minimum	IF 40% Minimum 300N
<b>TENSILE STRENGTH</b>	150kPa Minimum	IF 40% Maximum 350N
<b>ELONGATION</b>	125% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	35% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	5% Maximum	<b>(SAG) FACTOR</b> 1.60 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

### Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Medium Density extra firm foam for impact cushioning, load bearing and shock absorption applications.

### Typical Applications

General purpose firm foam for Waterbed Frames and Reinforcing.

<b>Available Colours</b>	<b>Cream</b>	<b>Sheet Size</b>	<b>2050 x 1850mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

## FP35-130

Information current as at May 2017

<b>DENSITY</b>	32.0 to 34.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	250N/m Minimum	IF 40% Minimum 120N
<b>TENSILE STRENGTH</b>	85kPa Minimum	IF 40% Maximum 145N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 65% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR</b> 1.75 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density medium hardness foam suitable for everyday use.

## Typical Applications

Very High Quality Grade used for Mattresses and Seating.

## Available Colours

**Pale Blue**

## Sheet Size

**2290 x 2050mm**

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# PRODUCT INFORMATION

## Physical Properties\* **FP35-200** Information current as at May 2017

<b>DENSITY</b>	31.0 to 32.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	200N/m Minimum	IF 40% Minimum 180N
<b>TENSILE STRENGTH</b>	110kPa Minimum	IF 40% Maximum 220N
<b>ELONGATION</b>	140% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	40% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR</b> 1.75 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density firm foam suitable for everyday use in high load-bearing applications.

## Typical Applications

Very High Quality Grade used for Commercial Seating.

<b>Available Colours</b>	<b>Steel Blue</b>	<b>Sheet Size</b>	<b>2290 x 2050mm</b>
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# PRODUCT INFORMATION

## Physical Properties\* **EN35-230 CM2** Information current as at Nov 2016

<b>DENSITY</b>	34 to 36 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	350N/m Minimum	IF 40% Minimum 210 N
<b>TENSILE STRENGTH</b>	130kPa Minimum	IF 40% Maximum 250 N
<b>ELONGATION</b>	125% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	30% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR.</b> 1.76 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density firm foam used in Commercial Seating and High load-bearing applications.

## Typical Applications

Very High Quality Grade used for Banquet and Bus Seating.

## Tested to the following Flammability Standards **Standard BS58523/Source 2 mod**

Description	<b>Result - Pass</b>
Ignition resistance of mock-up seat cushion with standard cover to gas flame - Source 2 of BS5852	

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

<b>Available Colours</b>	<b>Dark Grey</b>	<b>Sheet Size</b>	<b>2060 x 2000mm</b>
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# PRODUCT INFORMATION

## Physical Properties\* **MA35-600** Information current as at Nov 2016

<b>DENSITY</b>	35.0 to 37.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	280N/m Minimum	IF 40% Minimum 550N
<b>TENSILE STRENGTH</b>	200kPa Minimum	IF 40% Maximum 650N
<b>ELONGATION</b>	120% Minimum	IF 25% RECOVERY 60% Minimum
<b>RESILIENCE</b>	30% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 1.60 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

### Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density extra firm foam used in Very high-load bearing & reinforcing applications.

### Typical Applications

Gym Mats, Shock Absorption pads and firm packaging foam.

<b>Available Colours</b>	<b>Mauve</b>	<b>Sheet Size</b>	<b>2080 x 1850mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

## EN36-90 CM5

Information current as at Nov 2016

<b>DENSITY</b>	35.0 to 37.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	150N/m Minimum	IF 40% Minimum 80 N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 120 N
<b>ELONGATION</b>	90% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	50% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR 2.4 Minimum</b>

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density soft foam used in Commercial Back and Seat cushions.

## Typical Applications

Very High Quality Grade used for Mattresses & Seating. Not recommended for stretching and stapling.

## Tested to the following Flammability Standards

Standard	Description	Result
AS1530/Pt.3	Determination of ignitability, flame spread, Heat evolved and smoke developed.	18/0/0/5
BS5852/Source 5-Mod.	Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, Source 5.	NI,5 - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS
F.A.R. 25.853/App.F/Part I	Federal Aviation Regulations - Airworthiness Standards: Transport Category Airplanes – Vertical Burn test.	MEETS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source - Match-flame equivalent (Source 2)	NI - PASS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

## Available Colours

**Bright Green**

## Sheet Size

**2100 x 1850mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## EN36-130 CM5

Information current as at Oct 2018

<b>DENSITY</b>	35.0 to 37.5 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	160N/m Minimum	IF 40% Minimum 140N
<b>TENSILE STRENGTH</b>	70kPa Minimum	IF 40% Maximum 160N
<b>ELONGATION</b>	140% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	55% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR 2.4 Minimum</b>

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density Medium Hardness foam used in Commercial Seating cushions and Mattresses.

## Typical Applications

Very High Quality Grade used for Mattresses & Seating. Not recommended for stretching and stapling.

## Tested to the following Flammability Standards

Standard	Description	Result
AS1530/Pt.3	Determination of ignitability, flame spread, Heat evolved and smoke developed.	18/0/0/4
BS5852/Source 5-Mod.	Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, Source 5.	NI,5 - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS
F.A.R. 25.853/App.F/Part I	Federal Aviation Regulations - Airworthiness Standards: Transport Category Airplanes – Vertical Burn test.	MEETS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source - Match-flame equivalent (Source 2)	NI - PASS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

## Available Colours

**Bright Yellow**

## Sheet Size

**2100 x 1850mm**

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# PRODUCT INFORMATION

## Physical Properties\* **LR38-40** Information current as at Nov 2016

<b>DENSITY</b>	37.0 to 40.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	150N/m Minimum	IF 40% Minimum 35 N
<b>TENSILE STRENGTH</b>	60kPa Minimum	IF 40% Maximum 55 N
<b>ELONGATION</b>	200% Minimum	IF 25% RECOVERY 70% Minimum
<b>RESILIENCE</b>	10% Maximum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	10% Maximum	<b>(SAG) FACTOR</b> 2.20 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description **Incorporating Ultrafresh™ for antimicrobial protection**

Premium Density Very Soft Low Resilience non-load bearing foam suitable for everyday use.

## Typical Applications

Premium Grade used for Mattress Overlays, Pillows and Seat Cushion Overlays.

<b>Available Colours</b>	<b>White</b>	<b>Sheet Size</b>	<b>2100 x 1850mm</b>
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# PRODUCT INFORMATION

## Physical Properties\*

# HG39-115 CM2

Information current as at Nov 2016

<b>DENSITY</b>	38 to 40 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	200N/m Minimum	IF 40% Minimum 100 N
<b>TENSILE STRENGTH</b>	70kPa Minimum	IF 40% Maximum 130 N
<b>ELONGATION</b>	150% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR</b> 1.77 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density soft foam used in Mattresses.

## Typical Applications

Very High Quality Grade used for Mattresses & Seating.

## Tested to the following Flammability Standards

Standard	Description	Result
AS/NZS 4088.1	Assessment of the ignitability of upholstered furniture - Ignition source: Smouldering cigarette	NI - PASS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source: Nom. 160ml/min gas flame (Source 2)	NI - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

## Available Colours

**Orange**

## Sheet Size

**2080 x 1860mm**

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# PRODUCT INFORMATION

## Physical Properties\*

# HG39-140 CM2

Information current as at Nov 2016

<b>DENSITY</b>	38 to 40 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	200N/m Minimum	IF 40% Minimum 125 N
<b>TENSILE STRENGTH</b>	70kPa Minimum	IF 40% Maximum 155 N
<b>ELONGATION</b>	150% Minimum	IF 25% RECOVERY 70% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR</b> 1.78 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density medium to firm foam used in Mattresses.

## Typical Applications

Very High Quality Grade used for Mattresses & Seating.

## Tested to the following Flammability Standards

Standard	Description	Result
AS/NZS 4088.1	Assessment of the ignitability of upholstered furniture - Ignition source: Smouldering cigarette	NI - PASS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source: Nom. 160ml/min gas flame (Source 2)	NI - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

## Available Colours

**Aqua**

## Sheet Size

**2080 x 1860mm**

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# PRODUCT INFORMATION

## Physical Properties\*

# HG39-170 CM2

Information current as at Nov 2016

<b>DENSITY</b>	38 to 40 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	200N/m Minimum	IF 40% Minimum 155 N
<b>TENSILE STRENGTH</b>	70kPa Minimum	IF 40% Maximum 185 N
<b>ELONGATION</b>	150% Minimum	IF 25% RECOVERY 70% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR</b> 1.77 Minimum

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density firm foam used in Mattresses.

## Typical Applications

Very High Quality Grade used for Mattresses & Seating.

## Tested to the following Flammability Standards

Standard	Description	Result
AS/NZS 4088.1	Assessment of the ignitability of upholstered furniture - Ignition source: Smouldering cigarette	NI - PASS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source: Nom. 160ml/min gas flame (Source 2)	NI - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

**Available Colours**

**Ruby Red**

**Sheet Size**

**2080 x 1880mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## EN40-230 CM5

Information current as at Nov 2016

<b>DENSITY</b>	39.0 to 42.0 kg/m <sup>3</sup>	<b>I.F.D. HARDNESS RANGE (NEWTONS)</b>
<b>TEAR RESISTANCE</b>	180N/m Minimum	IF 40% Minimum 210N
<b>TENSILE STRENGTH</b>	100kPa Minimum	IF 40% Maximum 250N
<b>ELONGATION</b>	90% Minimum	IF 25% RECOVERY 75% Minimum
<b>RESILIENCE</b>	45% Minimum	<b>INDENTATION</b>
<b>COMPRESSION SET (75%)</b>	8% Maximum	<b>(SAG) FACTOR 2.3 Minimum</b>

\*When tested internally in accordance with the test methods listed in Australian Standard AS2282.0

## Grade Description

**Incorporating Ultrafresh™ for antimicrobial protection**

Heavy Premium Density firm foam used in Commercial Seating Cushions. Suitable for high usage.

## Typical Applications

Very High Quality Grade used for Transport Seating. Not recommended for stretching and stapling.

## Tested to the following Flammability Standards

Standard	Description	Result
AS1530/Pt.3	Determination of ignitability, flame spread, Heat evolved and smoke developed.	16/0/0/6
BS5852/Source 5-Mod.	Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, Source 5.	NI,5 - PASS
CAL 117, Sec.3	Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture	MEETS
F.A.R. 25.853/App.F/Part I	Federal Aviation Regulations - Airworthiness Standards: Transport Category Airplanes – Vertical Burn test.	MEETS
AS/NZS 3744.3	Assessment of the ignitability of upholstered furniture - Ignition source - Match-flame equivalent (Source 2)	NI - PASS

\*These test results alone do not assess the fire hazard of the material or the product made from this material under actual fire conditions.

## Available Colours

**Bright Orange**

## Sheet Size

**2080 x 1880mm**

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# PRODUCT INFORMATION

## Physical Properties\*

## Quick Dry Foam

Information current as at Jan 2016

<b>DENSITY</b>	<b>SOFT</b> >24 kg/m <sup>3</sup> / <b>FIRM</b> >28 kg/m <sup>3</sup>
<b>TENSILE STRENGTH</b>	>0.6kg/cm <sup>3</sup>
<b>ELONGATION</b>	>100% Min to >200% Max
<b>PPI COUNT</b>	20-30 Cell/25mm
<b>OPERATING TEMPERATURE</b>	-14 <sup>c</sup> Min 140 <sup>c</sup> Max

\*When tested internally in accordance with the test methods listed in Australian Standard ASTM D3574

## Grade Description

## Incorporating UreGard antimicrobial formula

QDF is an advanced, high-performance foam designed specifically for outdoor cushions. It's the best you can buy. It is available in two hardnesses Soft and Firm to ensure you get the right feel for your application.

QDF is a specialised reticulated polyurethane with very open cells which permit maximum water drainage and air circulation, most effective performance is up to 100mm in thickness.

QDF had the added benefit of UreGard antimicrobial treatment to help prevent the build up of bacteria which can be the cause of nasty odours.

## Typical Applications

## NOT RECOMMENDED FOR USE WITHIN FISH TANKS OR PONDS

QDF is ideal for use in outdoor furniture exposed to rain and marine environments that requires maximum drainage. Offers great air circulation allowing use quickly after being wet or even saturated.

## Available Colours

White

## Sheet Size

2400 x 1300mm

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# PRODUCT INFORMATION

## Physical Properties\* **EVA 30 Closed Cell** Information current as at Sept 2013

<b>DENSITY</b>	30 kg/m <sup>3</sup>	<b>HARDNESS</b>	15
<b>TEAR STRENGTH</b>	20 N/cm	<b>WATER ABSORPTION</b>	<0.002 g/cm <sup>3</sup>
<b>TENSILE STRENGTH</b>	0.3 MPa	<b>THERMAL CONDUCTIVITY</b>	0.04 W/m/C
<b>ELONGATION @ BREAK</b>	250-300%	<b>OPERATING TEMPERATURE</b>	-70 <sup>c</sup> Min 70 <sup>c</sup> Max
<b>COMPRESSION SET</b>	<10% Max	<b>COMPRESSION DEFLECTION</b>	40 KPa

\*When tested internally in accordance with the test methods listed in Australian Standard ASTM578 -- ASTM D3575 -- JIS TYPE C -- JIS K6767

### Grade Description

EVA foam has excellent performance in terms of chemical resistance, thermal properties and exposure to heat, weather and water but these are secondary to PE foams.

EVA foams combine excellent shock absorption with a prompt memory (recovery) from deflection due to impact. The recovery of EVA is superior to that of PE.

EVA foam characteristics are resiliency, good thermal insulators, excellent strength and shock absorption and excellent buoyancy factor. They are also resistant to most chemicals, are impervious to mildew, mould, rot and bacterial growth and has minimal absorption.

<b>Available Colours</b>	<b>Blue</b>	<b>Sheet Size</b>	<b>2000 x 1000mm</b>
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# PRODUCT INFORMATION

## Physical Properties\* **PE 30 Closed Cell** Information current as at Sept 2013

<b>DENSITY</b>	28-33 kg/m <sup>3</sup>	<b>HARDNESS</b>	22-27
<b>TEAR STRENGTH</b>	14.28 N/cm	<b>WATER ABSORPTION</b>	<0.002 g/cm <sup>3</sup>
<b>TENSILE STRENGTH</b>	0.33 MPa	<b>THERMAL CONDUCTIVITY</b>	0.04 W/m/C
<b>ELONGATION @ BREAK</b>	150-200%	<b>OPERATING TEMPERATURE</b>	-70C Min 70C Max
<b>COMPRESSION SET</b>	<5% Max	<b>COMPRESSION DEFLECTION</b>	41 KPa

\*When tested internally in accordance with the test methods listed in Australian Standard ASTM578 -- ASTM D3575 -- JIS TYPE C -- JIS K6767

### Grade Description

PE foam has good UV stability although some colour deterioration due to UV exposure is typical. PE foam has a tough, firm yet elastic feel and is best performing foam in terms of chemical resistance, thermal properties and exposure to heat, weather and water.

PE foams have the highest shock absorption capacity of the foams manufactured. The foam although slow to recover than other foams produced, will withstand a greater number of deflection cycles than other foams.

PE foam characteristics are resiliency, good thermal insulators, excellent strength and shock absorption and excellent buoyancy factor. They are also splash resistant to most chemicals, are impervious to mildew, mould, rot and bacterial growth and has minimal absorption.

<b>Available Colours</b>	<b>Black</b>	<b>Sheet Size</b>	<b>2000 x 1000mm</b>
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