

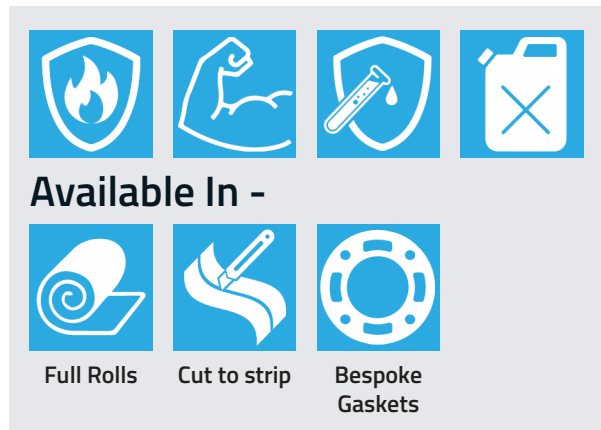
Reticulated Polyester Foam Material Datasheet

Product Code: RC02124

Product Description

Our reticulated polyester foams are high quality, open cell materials. They are based from polyurethane foam with a flame retardant additive to conform to FMVSS302 standards. It combines excellent chemical and fuel resistance good elongation and tear strength properties. This makes the material ideal for use in range of demanding applications and environments.

Technical Specification - RC10FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	25.0 kg/m ³	32.0 kg/m ³
Pore Density	-	5 ppi	15 ppi
Tensile Strength	ISO 1798	80 kPa	-
Elongation at Break	ISO 1798	130%	-
Compression Load Deflection	ISO 3386/1	3.0 kPa	5.0 kPa
Cell Count	-	2.0 1/cm	4.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey	



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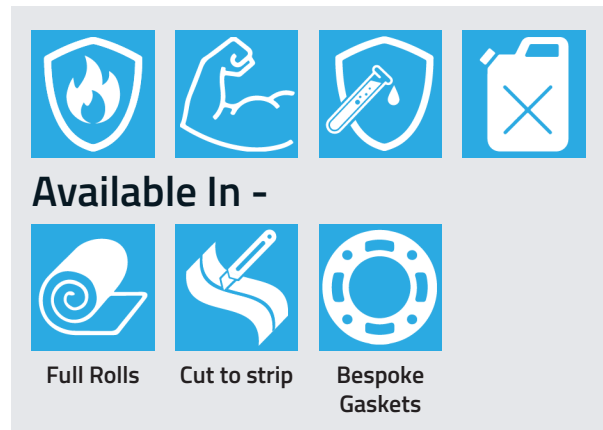
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Technical Specification - RC20FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	26.0 kg/m ³	32.0 kg/m ³
Pore Density	-	15 ppi	25 ppi
Tensile Strength	ISO 1798	55 kPA	-
Elongation at Break	ISO 1798	100%	-
Compression Load Deflection	ISO 3386/1	2.1 kPa	4.1 kPa
Cell Count	-	5.0 1/cm	6.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey	



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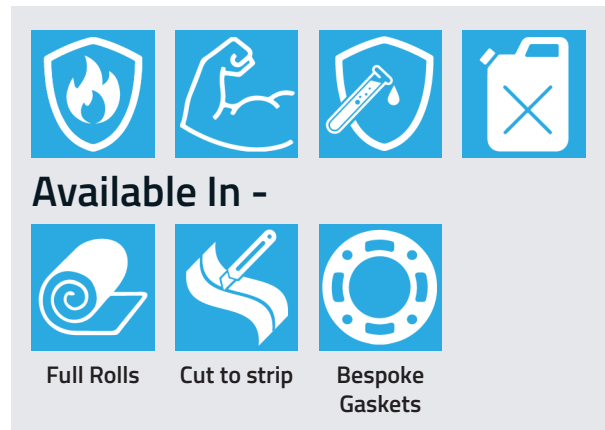
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Technical Specification - RC30FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	26.0 kg/m ³	32.0 kg/m ³
Pore Density	-	25 ppi	35 ppi
Tensile Strength	ISO 1798	70 kPa	-
Elongation at Break	ISO 1798	125%	-
Compression Load Deflection	ISO 3386/1	2.1 kPa	4.1 kPa
Cell Count	-	7.0 1/cm	9.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey / Black	



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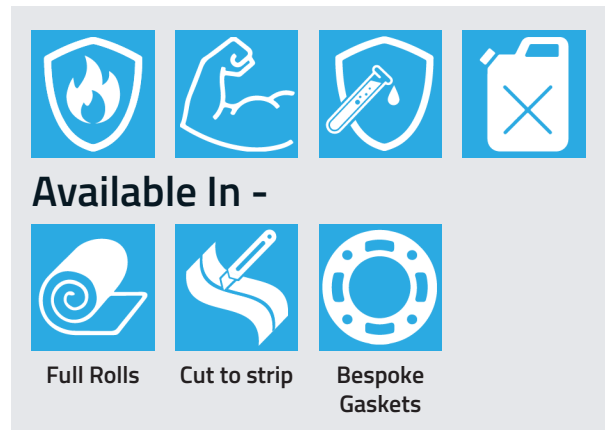
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Technical Specification - RC45FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	26.0 kg/m ³	32.0 kg/m ³
Pore Density	-	35 ppi	50 ppi
Tensile Strength	ISO 1798	75 kPA	-
Elongation at Break	ISO 1798	150%	-
Compression Load Deflection	ISO 3386/1	2.6 kPa	4.6 kPa
Cell Count	-	10.0 1/cm	13.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey	



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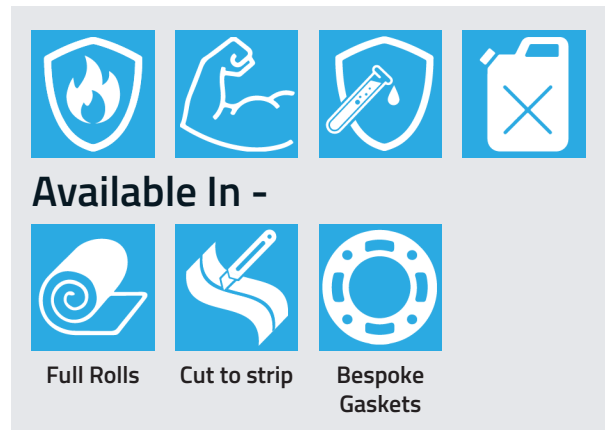
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Technical Specification - RC60FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	26.0 kg/m ³	32.0 kg/m ³
Pore Density	-	50 ppi	70 ppi
Tensile Strength	ISO 1798	115 kPA	-
Elongation at Break	ISO 1798	190%	-
Compression Load Deflection	ISO 3386/1	2.6 kPa	4.6 kPa
Cell Count	-	14.0 1/cm	17.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey	



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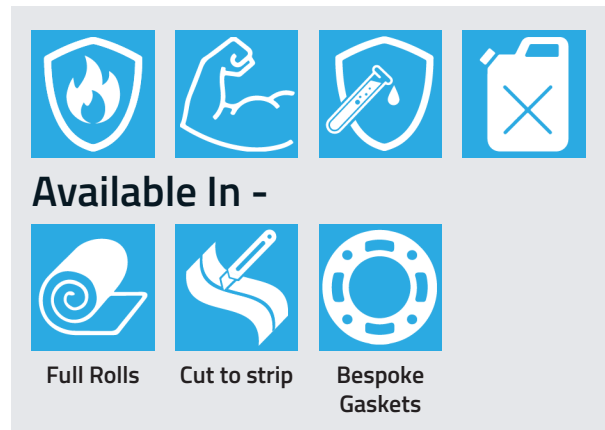
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Technical Specification - RC80FR



Properties	Test Method	Values Min.	Values Max.
Density	ISO 845	26.0 kg/m ³	32.0 kg/m ³
Pore Density	-	70 ppi	90 ppi
Tensile Strength	ISO 1798	125 kPA	-
Elongation at Break	ISO 1798	210%	-
Compression Load Deflection	ISO 3386/1	2.6 kPa	4.6 kPa
Cell Count	-	18.0 1/cm	21.0 1/cm
Flammability	ISO 3795	100 mm/min	-
Minimum Temperature	-	-40°C	
Maximum Temperature	-	+120°C	
Colour	-	Charcoal Grey	



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