

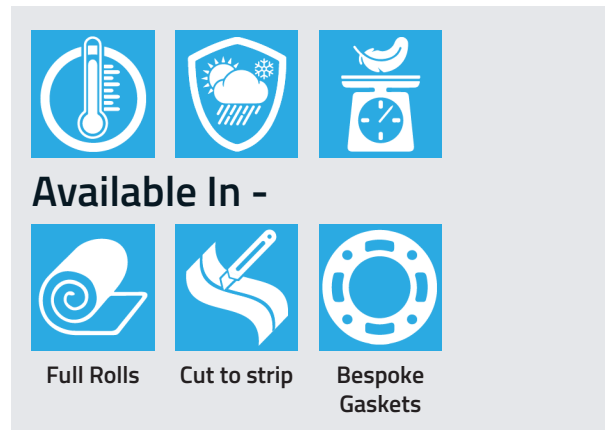
Black EPDM Closed Cell Sponge Material Datasheet

Product Code: RC02107-1075

S.C. REF: TRC01

Key Features

Our EPDM sponge rubber is a high-quality, closed cell material that is commonly used to create an air and watertight seal. EPDM sponge is great for use in outdoor sealing applications due to the superior UV and Ozone resistance it provides. Apart from offering excellent weathering resistance, EPDM also features good flexibility and tensile strength properties.



Technical Specification

Properties	Test Method	Values
Product	-	Closed Cell EPDM Sponge
Compound	-	EPDM
ASTM D1056-14 Classification	2A1 B3 C M	-
Hardness (Shore OO)	-	35° -45°
Density	ASTM D3575	75-105 kg/m ³
Tensile Strength	ASTM D412	200-300 kPa
Elongation at Break	ASTM D412	180-220%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	10-15%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	20-40%
Shrinkage (22hrs @ 70°C)	ASTM D573	10-15%
Compression Deflection (25%)	ASTM D1056	15-35 kPa
Compression Deflection (50%)	ASTM D1056	60-80 kPa
Temperature Range (Constant)	-	-30°C to +80°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1-3%
Flame Resistance (>3mm)	FMVSS302	Pass
Flame Resistance (>12mm)	UL94 HBF	Pass
Environmental Protection	-	CFC, Halogen & HCFC Free

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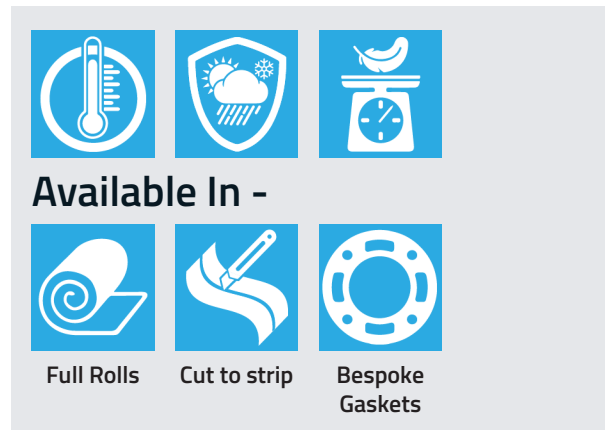
White EPDM Closed Cell Sponge Material Datasheet

Product Code: RC02107-2015W

S.C. REF: TRC02

Key Features

Our EPDM sponge rubber is a high-quality, closed cell material that is commonly used to create an air and watertight seal. EPDM sponge is great for use in outdoor sealing applications due to the superior UV and Ozone resistance it provides. Apart from offering excellent weathering resistance, EPDM also features good flexibility and tensile strength properties.



Technical Specification

Properties	Test Method	Values
Product	-	Closed Cell EPDM Sponge
Compound	-	EPDM
ASTM D1056-14 Classification	2A2 B3 M	-
Hardness (Shore OO)	-	35° -45°
Density	ASTM D3575	120-160 kg/m ³
Tensile Strength	ASTM D412	530-600 kPa
Elongation at Break	ASTM D412	150-200%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	3-5%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	15-35%
Shrinkage (22hrs @ 70°C)	ASTM D573	6-9%
Compression Deflection (25%)	ASTM D1056	35-60 kPa
Compression Deflection (50%)	ASTM D1056	60-90 kPa
Temperature Range (Constant)	-	-30°C to +80°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1-2 %
Flame Resistance (>3mm)	FMVSS302	Pass
Environmental Protection	-	CFC, Halogen & HCFC Free

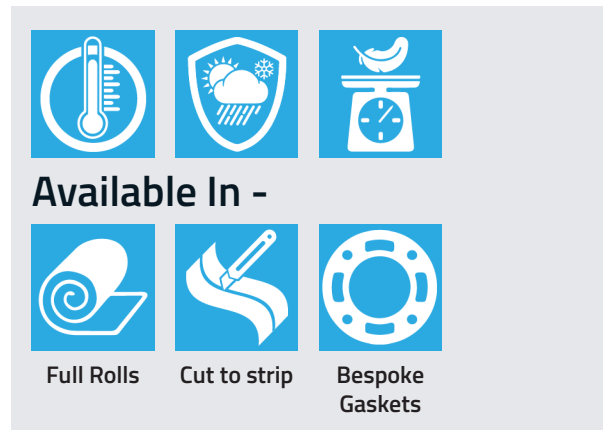
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Black EPDM Closed Cell Sponge Material Datasheet

Product Code: RC02107-2015B

Key Features

Our EPDM sponge rubber is a high-quality, closed cell material that is commonly used to create an air and watertight seal. EPDM sponge is great for use in outdoor sealing applications due to the superior UV and Ozone resistance it provides. Apart from offering excellent weathering resistance, EPDM also features good flexibility and tensile strength properties.



Technical Specification

Properties	Test Method	Values
Product	-	Closed Cell EPDM Sponge
Compound	-	EPDM
ASTM D1056-14 Classification	2A2 B3 C M	-
Hardness (Shore OO)	-	40° -50°
Density	ASTM D3575	125-165 kg/m ³
Tensile Strength	ASTM D412	500-600 kPa
Elongation at Break	ASTM D412	180-220%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	3-5%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	15-35%
Shrinkage (22hrs @ 70°C)	ASTM D573	4-8%
Compression Deflection (25%)	ASTM D1056	35-60 kPa
Compression Deflection (50%)	ASTM D1056	60-90 kPa
Temperature Range (Constant)	-	-30°C to +80°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1-2 %
Flame Resistance (>3mm)	FMVSS302	Pass
Ozone Test (200 +/- 5 ppm, 20%, 72hrs @ 40 +/- 2°C)	ASTM D1171-99	No Cracks
Environmental Protection	-	CFC, Halogen & HCFC Free

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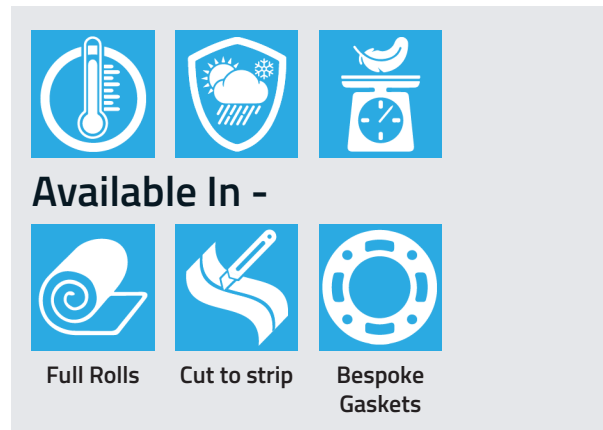
Black Closed Cell EPDM Sponge Material Datasheet

Product Code: RC02107-2020

S.C. REF: TRC03

Key Features

Our EPDM sponge rubber is a high-quality, closed cell material that is commonly used to create an air and watertight seal. EPDM sponge is great for use in outdoor sealing applications due to the superior UV and Ozone resistance it provides. Apart from offering excellent weathering resistance, EPDM also features good flexibility and tensile strength properties.



Technical Specification

Properties	Test Method	Values
Product	-	Closed Cell EPDM Sponge
Compound	-	EPDM
ASTM D1056-14 Classification	2A2 B3 M	-
Hardness (Shore OO)	-	50° -60°
Density	ASTM D3575	180-200 kg/m ³
Tensile Strength	ASTM D412	780-850 kPa
Elongation at Break	ASTM D412	140-180%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	4-5%
Shrinkage (22hrs @ 70°C)	ASTM D573	4-8%
Compression Deflection (25%)	ASTM D1056	50-70 kPa
Compression Deflection (50%)	ASTM D1056	100-120 kPa
Temperature Range (Constant)	-	-30°C to +90°C
Temperature Range (Intermittent)	-	+100°C
Water absorption (Max Weight Change)	ASTM D1056	1-2 %
Flame Resistance (>3mm)	FMVSS302	Pass
Ozone Test (200 +/- 5 pphm, 20%, 72hrs @ 40 +/- 2°C)	ASTM D1171-99	No Cracks
Environmental Protection	-	CFC, Halogen & HCFC Free

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