



MATERIAL DATA SHEET

PRODUCT CODE: RGH0445B

BLACK EXPANDED NEOPRENE SPONGE RUBBER

RGH0445 is a black closed cell neoprene foam. RGH0445 has good oil and chemical resistance and very good sealing properties due to it being impermeable to water and air. Neoprene is flexible, durable and has good UV, ozone and oxidation resilience.

TECHNICAL PROPERTIES

Description	Standard	Value	Unit
ASTM D1056-14 Classification	2C2 B3 M		
Density	ASTM D3575	140-190	KG/M3
Compression Deflection 25%	ASTM D1056	35-60	KPa
Compression Deflection 50%	ASTM D1056	70-120	KPa
Compression Set (25%/22h/23°C) – After 24hr	ASTM D1056	2.5	%
Compression Set (50%/22h/23°C) – After 24hr	ASTM D1056	15-35	%
Shrinkage (22h/70°C)	ASTM D573	4-8	%
Shore Hardness		40-50	OO
Elongation	ASTM D412	180-220	%
Temperature Range (Constant)		-40/+75	°C
Temperature Range (Intermittent)		+90	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	500-550	KPa
Flame Resistance (>3mm)	FMVSS302	Pass	
Environmental Protection		CFC, HAOLGEN, HCFC FREE	

DISCLAIMER: This information is based on our best current knowledge and is intended as a general guide to product performance. It is not a warranty or specification and customers must determine that the product is suitable for their particular purpose before use

FOR FURTHER INFORMATION

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