



QT159 – Closed Cell Expanded Neoprene EPDM

Product Description: Ozone resistant, fire retardant, polymeric blended, closed cell, sponge rubber coated one side with scrim reinforced acrylic adhesive. Flame resistance FMVSS 302 self-extinguishing. CFC and HCFC Free. 159 is designed to be an air dust and water seal at 30% compression.

Foam:

Technical Data

Composition	Expanded Neoprene EPDM closed cell	
Colour	Black	
Specification	A~STM D 1056 (2000) 242C	
Type- Grade Condition	Soft Medium	
Shore Hardness	40-50	00 scale
Temperature Range	-30°C to 90°C INT TO 130° C	
Elongation	> 180%	ASTM D 142
Water Absorption	< 2%	ATM D 1056
High Intermittent	121°C	
Water Absorption	5%	
Tensile Strength	> 500 kPa	
Flammability	Self Extinguishing approved to FMVSS 302	

Special Characteristics

Density	130-170Kg m ³	
25% Compression set @23°C	<5%	ASTM D 1056
Deflection	35-63 kPa	
Accelerated Ageing -7 Days, 70°C	Flexibility -180°C bend without cracking appearance change-none Change in compression deflection	

Resistance

Acid	Excellent
Alkali	Excellent
Gasoline and Oil	Good
Oxidation	Excellent
Ozone	Excellent
Odour	No objectionable Odour

Adhesive:

Physical Properties	Typical Values	Units	Test Methods
Thickness			
Adhesive + scrim	100	microns	ATM.7
Liner:	60	microns	
Total:	160	microns	
Elongation	2.0	%	ATM.13-
Tensile Strength	1.1	kN/m	ASTM D882
Tack (Finat)	1400	N/m	ATM.8-FINAT.9
Adhesion (180°peel-24)		N/m	ATM.1-PSTC.1
Stainless Steel	1200		
Painted Steel	1150		
Polycarbonate	1150		
Rigid polypropylene	1150		
Shear Resistance			ATM.2-FINAT.8-
(Stactic-2500g/25mmx25mm)	50	ks	PSTC.7
Temperatures			
Application (minimum)	+ 10	°C	
Service (continuous)	-40 to + 100	°C	
Short time	+ 70	°C	

Storage and Shelf Life: Two years when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight.

Note

All technical data is based on average values. Statements, technical information and recommendations contained herein are based on test we believe to be reliable, but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.