

EPDM Sponge

Description

Ethylene-propylene-diene-monomer (EPDM) is the dominant elastomer of choice in many automotive and construction applications, particularly those that require excellent chemical and thermal stability in ozone resistance and where a high resistance to fuels, oils and alcohols is not required.

Common applications include:

- Window and door seals (glazing)
- Electrical gaskets
- HVAC panel gaskets and seals

Typical Properties

Physical Property	Result
Polymer	100% EPDM
Colour	Black
Specifications: SAE J18 R02	2A1
ASTM D 1056 86, 91, 00, 04, 07	2A1
CHRYSLER MS-AY430	Listed as approved supplier
CHRYSLER MS-AY527 (outdated)	Listed as approved supplier
GM6086M	Type IB, Type II
Density	4 pcf approx.
Compression Deflection, 25% PSI Compression, varies with thickness	2 to 5 psi
Water Absorption by Weight, Max.	5%
ASTM Method D 1056	(10% allowed)
K. Factor - Constant	0.26
Ozone 20% Stress – 72 hrs @ 100PPHM	No cracks
GM 4486P, ASTM D 1171 94, ASTM D 1149 91	
Weathering	Excellent
Ultraviolet	Excellent
Staining – RES.30.ST 133 Issue No. 2 (Europe)	No staining
Combustion Characteristics – FMVSS-302	Pass
Service Temperature °F	
ASTM D 746	
Low	-70
High Continuous	220
High Intermittent	250