

EPDM ETHYLENE PROPYLENE DIENE MONOMER RUBBER

SUBMITTAL INFORMATION

USE

Ethylene Propylene Diene Monomer Rubber, commonly known as EPDM, is formulated for applications involving high temperatures and many harsh chemicals. For more information contact our factory.

Rubber Compounded Per: ASTM D 2000 MBA 715A14B13C12F17F19.

Rubber Extrusion Compounded Per: ASTM D 2000 M3BA714B13C12F17Z.

CHARACTERISTICS

Temperature Range:	-40°F to +220°F *	Compression Set:	Good - Excellent
Weathering:	Excellent	Tearing:	Good - Excellent
Abrasion:	Good - Excellent	Steam Service:	Excellent

CHEMICAL RESISTANCE

HCO ₃	Excellent
Fluorides	Excellent
Sodium Compounds	Excellent
Sulfuric Acid	Good
Hydrocarbons	Not recommended

SPECIFICATIONS

ORIGINAL PHYSICAL PROPERTIES

ASTM D 412-92	
ASTM D 2240-91	
Tensile Strength, psi	2031
Elongation, %	300
Hardness, Duro A, pts	70 ±5

HEAT AGED PROPERTIES

ASTM D 573	
70 hours at 212 °F (100°C)	70 h @ 100 °C
% change in Tensile Strength	±30 max
% change in Elongation	-50 max
Change in Hardness	±15 points

COMPRESSION SET

ASTM D 395, Method B	
max., %, 22 h @ 70 °C	
Compression set	25 % max

OZONE RESISTANCE

ASTM D 1171, Quality	
Retention Rating, %	100% min.

LOW TEMPERATURE BRITTLENESS

ASTM D 2137, Method A	
9.3.2, non-brittle after 3 min. @ -40 °C, (5 test specimens)	
Results	All 5 test specimens passed

Compatibility of other materials available upon request. Other gasket compounds available for use where EPDM is not suitable.

* Rated for 3000 hours at 220°F. Higher temperature compounds available on request.

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.