

ROMAC INDUSTRIES, INC.
ETHYLENE PROPYLENE DIENE MONOMER
(EPDM) RUBBER (PEROXIDE CURED)
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 for Romac Per ASTM D 2000 M2 DA710 A26 B36 C32 EA14 F19 and molded by Romac.

CHARACTERISTICS:

Temperature Range:	-70°F to +275°F *
Weathering:	Excellent
Abrasion:	Good - Excellent
Compression Set:	Good - Excellent
Tearing:	Good - Excellent
Steam Service:	Excellent

CHEMICAL RESISTANCE:

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

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

* Rated for 3000 hours at 275°F. Higher temperature compounds available on request.

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SPECIFICATIONS:

◦ <u>Original Physical Properties</u>	ASTM D 412-92 ASTM D 2240-91
Tensile Strength, psi	1500
Elongation, %	200
Hardness, Duro A, pts	70 ±5
◦ <u>Heat Aged Properties</u> 70 hours at 302 °F (150°C)	ASTM D 573, 70 h @ 150 °C
% change in Tensile Strength.	-20 max
% change in Elongation.	-20 max
Change in Hardness.	+10 points
◦ <u>Compression Set</u>	ASTM D 395, Method B, max., %, 22 h @ 150 °C
Compression set	25 % max
◦ <u>Ozone Resistance</u>	ASTM D 1171, Quality Retention Rating, min., %
Retention Rating, %	100% min.
◦ <u>Low Temperature Brittleness</u>	ASTM D 2137, Method A, 9.3.2, non-brittle after 3 min. @ -55 °C, (5 test specimens)
Results	All 5 test specimens passed

2/08

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