

# EPDM 80 (MACRO HP) - NSF 61

## 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 M2BA 810A14B13C12EA14F17.

### 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 <sub>3</sub>	Excellent	CO <sub>2</sub>	Excellent
Fluorides	Excellent	Potable Water	Good - Excellent
Sodium Compounds	Excellent	Sewer	Good
Sulfuric Acid	Good		
Hydrocarbons	Not recommended		

### SPECIFICATIONS

#### ORIGINAL PHYSICAL PROPERTIES

ASTM D 412-92	
ASTM D 2240-91	
Tensile Strength, psi	1500+
Elongation, %	265
Hardness, Duro A, pts	80 ±5

#### HEAT AGED PROPERTIES

ASTM D 573	
70 hours at 212 °F (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	20 % max

#### OZONE RESISTANCE

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

#### LOW TEMPERATURE BRITTLENESS

ASTM D746	
-40°F / -42°C	
3 test specimens	PASSED

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

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.*



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