



## Marco Compound # E1069 70 Durometer, Black, NSF 61 EPDM Technical Datasheet

### Common Names:

Ethylene-Propylene (EP, EPDM)

### General Description:

EPDM rubber (ethylene propylene diene monomer rubber) is an elastomer which is characterized by wide range of applications and good chemical resistance.

### Features:

- NSF 61 and AST F477 compliant
- Good heat and compression resistance.
- Resistant to ketones, hot and cold water, steam, alkalis, polar solvents, ozone, sunlight, alcohols, glycol engine coolant and Skydrol (phosphate ester hydraulic fluid).

### Limitations:

- Not recommended for oils, gasoline, kerosene, aromatic and aliphatic hydrocarbon, halogenated solvents, concentrated acids, non-polar solvents, petroleum oils and aromatic fuels.

### Cure System:

- Sulfur

### Service Temperature:

-65 to 250°F (-54 to 121°C)

### Specification:

ASTM D2000 M2BA710 A14 B13 F19 Z1 (Z1= NSF)

### PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	D2000 Specification Requirements	Typical Test Results
Hardness, Shore A	70 +/- 5	67
Color	Black	Black
Tensile Strength, psi	1,450	2000
Elongation, %	250	415
Specific Gravity	Report	1.15

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.

<b>HEAT RESISTANCE – A14, ASTM D 865 (70 hrs. @ 100°C)</b>	<b>D2000 Specification Requirements</b>	<b>Typical Test Results</b>
Hardness Change, points, max.	+/-15	+0
Tensile Strength Change, %, max.	+/-30	-3
Ultimate Elongation Change, %, max.	-50	+1

<b>COMPRESSION SET – B13, ASTM D 395 Method B (22 hrs. @ 70°C)</b>	<b>D2000 Specification Requirements</b>	<b>Typical Test Results</b>
Permanent Set, %, max.	50	6

<b>LOW TEMPERATURE RESISTANCE – F17, ASTM D 2137 Method A, 9.3.2</b>	<b>D2000 Specification Requirements</b>	<b>Typical Test Results</b>
(Non-brittle after 3 min. @ -55°C)	Non-Brittle	Pass

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