



## Marco Compound # E1119

### 70 Durometer, Black, Electrically Conductive 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:**

- Electrically conductive compound with volume resistivity of  $10^3 \Omega$ .
- Applications in a wide range of industries including chemical processing, aerospace, automotive, medical device, food handling, and many more.
- 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.

#### **Service Temperature:**

- -65 to 265° F (-55 to 130° C)

#### **Specification:**

ASTM D2000 M4CA710 A25 B35 Z1

### PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	D2000 Specification Requirements	Typical Test Results
Hardness, Shore A	70 +/- 5	69
Color	Black	Black
Tensile Strength, MPa (psi)	10.0 (1,450)	12.8 (1700)
Ultimate Elongation, %	200	255
Specific Gravity	Report	1.106

HEAT AGING – A25, ASTM D 865 (70 hrs. @ 125°C)	D2000 Specification Requirements	Typical Test Results
Hardness Change, points, max.	10	+3
Tensile Strength Change, %, max.	-20	-2
Ultimate Elongation Change, %, max.	-40	-7

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.

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<b>COMPRESSION SET – B35, ASTM D 395 Method B (22 hrs. @ 125°C)</b>	<b>D2000 Specification Requirements</b>	<b>Typical Test Results</b>
Permanent Set, %, max.	70	23

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