Request a Quote

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Marco Compound # E1049
60 Durometer, Black, Sulfur Cured 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:
- 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 300° F (-54 to 150° C)

Specification:
ASTM D2000 M2BA610 A14 B13 F19

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	D2000 Specification Requirements	Typical Test Results
Hardness, Shore A	60 +/- 5	64
Color	Black	Black
Tensile Strength, psi	1,450	1,730
Ultimate Elongation , %, min.	350	480
Specific Gravity (Z2)	Report	1.17

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HEAT RESISTANCE – A14, ASTM D 865 (70 hrs. @ 100°C)	D2000 Specification Requirements	Typical Test Results
Hardness Change, points, max.	+/-15	+0
Tensile Strength Change, %, max.	+/-30	+2
Ultimate Elongation Change, %, max.	-50	-1

COMPRESSION SET - D395 method B13, (22 hrs. @ 70°C)	D2000 Specification Requirements	Typical Test Results
Permanent Set, Percentage of original deflection. Max.	50	12

LOW TEMPERATURE RESISTANCE –ASTM D2137 Method A, 9.3.2	D2000 Specification Requirements	Typical Test Results
Non-brittle after 3 min. @ -55°C (F19)	Non-brittle	Pass