Request a Quote

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Marco Compound # E1003
60 Durometer, Black, Sulphur 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 265° F (-55 to 130° C)

Specification:
ASTM D2000 M2BA610 A14 B13 F19

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	60 +/- 5	64
Color		Black
Tensile Strength, psi	1,450	1,740
Ultimate Elongation, %	350	486
Specific Gravity	Report	1.169

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

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COMPRESSION SET – B13, ASTM D 395 Method B (22 hrs. @ 70°C)	**ASTM D2000 Requirements**	**Typical Test Results**
Permanent Set, %, max.	50	12

LOW TEMPERATURE RESISTANCE – F19, ASTM D 2137 Method A, 9.3.2	**ASTM D2000 Requirements**	**Typical Test Results**
Non-brittle after 3 min. @ -55°C	Non Brittle	Pass