Request a Quote

(800) 775-6525 Fax: (800) 421-2923
engineering@marcorubber.com
www.marcorubber.com

Marco Compound # E1024
70 Durometer, Black, EPDM Internally Lubricated With PTFE
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. Marco compound E1024 is internally lubricated with PTFE (Teflon) particles to provide ease of installation and reduced friction during use.

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.

Service Temperature:
-65 to 300° F (-54 to 129°C)

Specification:
ASTM D2000 M4CA710 A25 B35 Z1 (Z1=WITH PTFE)

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	70 +/- 5	71
Color	Black	Black
Tensile Strength, MPa (psi)	10.0 (1,440) min.	13.4 (1943)
Ultimate Elongation, %	200 min.	406
Specific Gravity	-----	1.17

HEAT RESISTANCE – A25, ASTM D 573 (70 hrs. @ 125°C)	ASTM D2000 Requirements	Typical Test Results
Hardness Change, points	+/- 10	+1
Tensile Strength Change, %	- 20	+5
Ultimate Elongation Change, %	-40 max.	-38

COMPRESSION SET – B14, ASTM D 325 Method B (22 hrs. @ 125°C)	ASTM D2000 Requirements	Typical Test Results
Permanent Set %	70 max.	45