



Marco Compound # P1016

70 Durometer, General Use Polyurethane

Technical Datasheet

Common Names:

Polyurethane (AU, EU)

General description:

Polyether-based Polyurethane is a widely used compound due to its superior strength, tear and abrasion resistance. Polyurethane also provides excellent permeation resistance. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:

- Good hydraulic oil and gasoline resistance
- FDA Compliant
- Resistant to pure aliphatic hydrocarbons (propane, butane, fuel)
- Resistance to mineral and silicone oils and greases
- Resistant to water, oxygen, ozone and aging
- Excellent tear and abrasion resistance

Limitations:

- Not compatible with acids, ketones, esters, ethers, alcohols, glycols
- Hot water, steam, alkalis and amines

Service Temperature:

-10 to 150° F

Specification

ASTM D2000 M2BG714 A14

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	Specification Requirements	Typical Test Results
Hardness, Shore A	70 +/- 5	70
Color		Natural / Translucent
Tensile Strength, MPa, (psi)	14.0 (2,030)	21.4 (3,100)
Ultimate Elongation, %	250 min.	765
Specific Gravity		1.343
Tear Strength – Die “C” lb/in ASTM D624		350

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