



## Marco Compound #P1017

### 83 Durometer, General Use, FDA Compliant, Clear Polyurethane

### Technical Datasheet

#### Common Names:

Polyurethane (AU, EU)

#### General description:

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](mailto:engineering@marcorubber.com) for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

#### Features:

- FDA Compliant
- High strength
- Good hydraulic oil and gasoline resistance
- 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

### PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	Typical Test Results
Hardness, Shore A (ASTM D2240)	83
Color	Clear
Tensile Strength, psi (ASTM D412)	5,000
Ultimate Elongation, % (ASTM D412)	500
Modulus @ 100%, psi	750
Modulus @ 300%, psi	1,700
Tear Strength, PLI Die "C" (ASTM D624)	500

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