P-60

Product Information

General Information

P-60 is a two component addition cure silicone rubber mold making material. It has a high durometer, high modulus, superb physical properties, minimal shrinkage and extreme chemical resistance making it an excellent choice for prototyping, casting urethane foam and other plastics. P-60 also serves as an excellent choice for use in trapped rubber molding and pressure intensifier applications when working with composites.

Typical Properties

Uncatalyzed Compound

- **Color**: Base: Tan    Activator: Blue
- **Viscosity (cps)**: Base: 130,000 - 160,000    Activator: 1000 - 2000
- **Mixing Ratio (B/A)**: By weight: 100 / 10    By volume: 100 / 13.2
- **Mixed Viscosity**: 95,000 - 120,000
- **Working Time**: 1.5 to 2.5 hours
- **Cure Time**: 16 - 18 hours
- **Shelf Life**: 6 months

Vulcanized (cured) Properties (7 days @ 70° F / 50% relative humidity)

- **Shore A Hardness (±4)**
  - One day: 58
  - 7 Days: 62
- **Post Cure: (+4)**
  - 1 hour at 150°F: 59
  - + 1 hour at 250°F: 62
  - + 1 hour at 300°F: 64
- **Tear Resistance (ASTM D624)**: 75 ± 15 ppi
- **Tensile Strength (ASTM D412)**: 900 ± 50 psi
- **Elongation (ASTM D412)**: 200 ± 25 %
- **Coefficient of Thermal Expansion (linear)**: 2.05 x 10⁻⁴ m/m-°C
- **Service Temperature (° F)**: -60 to 650
- **Shrinkage**: nil
- **Specific Gravity**: 1.24
- **Coverage (in³ / lb)**: 22.4

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