

TSE Industries Millathane® 5004 Millable Polyurethane Elastomer with 3 PHR Varox DBPH-50

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

MILLATHANE 5004 is a millable polyurethane elastomer having excellent processing characteristics. MILLATHANE 5004 stocks can be readily processed on conventional rubber equipment. Vulcanization is carried out by the use of various peroxides including dicumyl peroxide (DCP) or 2,5-dimethyl-2,5-bis (t-butylperoxy) hexane (DBPH). Formulation Millathane 5004 100 Stearic Acid 0.25 Hi-Sil 23320 Varox DBPH-503 All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-5004-Millable-Polyurethane-Elastomer-with-3-PHR-Varox-DBPH-50.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|----------|------------|
| Hardness, Shore A | 70 | 70 | |
| Tensile Strength, Yield | 28.8 MPa | 4170 psi | |
| Elongation at Yield | 570 % | 570 % | |
| 300% Modulus | 0.00800 GPa | 1.16 ksi | |
| Tear Strength | 68.3 kN/m | 390 pli | ASTM Die C |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------|----------|
| Cure Time | 60.0 min | 1.00 hour | |
| | @Temperature 152 °C | @Temperature 305 °F | |

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