

TSE Industries Millathane® 5004 Millable Polyurethane Elastomer, 305°F Cure Temperature

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 0.25N330 (HAF) Black 20 Di-Cup 40C4 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-305F-Cure-Temperature.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	
Tensile Strength, Yield	29.0 MPa	4200 psi	
Elongation at Yield	400 %	400 %	
100% Modulus	0.00345 GPa	0.500 ksi	
200% Modulus	0.0101 GPa	1.47 ksi	
300% Modulus	0.0200 GPa	2.90 ksi	
Tear Strength	96.3 kN/m	549 pli	ASTM Die C

Processing Properties	Metric	English	Comments
Cure Time	45.0 min	0.750 hour	
	@Temperature 152 °C	@Temperature 305 °F	

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