

TSE Industries Millathane® 5004 Millable Polyurethane Elastomer, 350°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) Black20Di-Cup 40C6 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-350F-Cure-Temperature.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	
Tensile Strength, Yield	27.9 MPa	4040 psi	
Elongation at Yield	310 %	310 %	
100% Modulus	0.00496 GPa	0.720 ksi	
200% Modulus	0.0138 GPa	2.00 ksi	
300% Modulus	0.0270 GPa	3.92 ksi	
Tear Strength	82.3 kN/m	470 pli	ASTM Die C

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	
	@Temperature 177 °C	@Temperature 350 °F	

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