

TSE Industries Millathane® 5004 Millable Polyurethane Elastomer, Hardness 83A

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).FormulationMillathane 5004100Stearic Acid0.25Hi-Sil 23340Di-Cup 40C7All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-5004-Millable-Polyurethane-Elastomer-Hardness-83A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	
Tensile Strength, Yield	24.3 MPa	3520 psi	
Elongation at Yield	490 %	490 %	
100% Modulus	0.00345 GPa	0.500 ksi	
200% Modulus	0.00607 GPa	0.880 ksi	
300% Modulus	0.00896 GPa	1.30 ksi	
Tear Strength	66.5 kN/m	379 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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