

TSE Industries Millathane® 97 Millable Polyester Polyurethane Rubber, Hardness 95A

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

Material Notes:

Millathane 97 is a polyether polyurethane rubber having excellent transparency, good wear properties, a high coefficient of friction and very good UV stability. This polyurethane rubber is designed for applications in shoe soling, roll coverings and all other applications where transparent, brightly colored or decorative products are desired. Formulation Millathane 97 100Stearic Acid0.5Wacker HDK-N2030TP-95 (DBEEA)2Silquest A-1721.5Irganox 10100.25SR-231 (DEGDMA)20SR-350 (TMPTMA)20AC617A Polyethylene2Carbowax 33502Di-Cup R1All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-97-Millable-Polyester-Polyurethane-Rubber-Hardness-95A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	
Tensile Strength, Yield	17.0 MPa	2470 psi	
Elongation at Yield	160 %	160 %	
100% Modulus	0.0128 GPa	1.85 ksi	
Tear Strength	31.2 kN/m	178 pli	Die C

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 160 °C	@Temperature 320 °F	

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