

TSE Industries Millathane® 97 Millable Polyester Polyurethane Rubber, Hardness 81A

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-N2020Silquest A-1720.5Irganox 10100.25SR-231 (DEGDMA)16Di-Cup R0.5All 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-81A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	
Tensile Strength, Yield	19.1 MPa	2770 psi	
Elongation at Yield	380 %	380 %	
100% Modulus	0.00390 GPa	0.565 ksi	
200% Modulus	0.007826 GPa	1.135 ksi	
300% Modulus	0.0133 GPa	1.93 ksi	
Tear Strength	31.7 kN/m	181 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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