

TSE Industries Millathane® 97 Millable Polyester Polyurethane Rubber, Hardness 46A

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 Acid0.2Wacker HDK-N2015Mediaplast NB-415Silquest A-1720.3Irganox 10100.25Tinuvin 3280.25Tinuvin 7650.25Luperox 2310.5All 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-46A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46	46	
Tensile Strength, Yield	7.398 MPa	1073 psi	
Elongation at Yield	530 %	530 %	
100% Modulus	0.000972 GPa	0.141 ksi	
200% Modulus	0.00130 GPa	0.189 ksi	
300% Modulus	0.00170 GPa	0.247 ksi	
Tear Strength	12.1 kN/m	69.0 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 149 °C	@Temperature 300 °F	

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