

TSE Industries Millathane® 97 Millable Polyester Polyurethane Rubber, 5.0 PHR Wacker HDK N20 Filler

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 97 100.0 Stearic Acid 0.3 Wacker HDK N20 (fumed silica) 5.0 Luperox 2310.4 SR-231 (DEGDMA) 3.0 Irganox 10100.2 All 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-50-PHR-Wacker-HDK-N20-Filler.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	
Tensile Strength, Yield	6.55 MPa	950 psi	
Elongation at Yield	453 %	453 %	
100% Modulus	0.00121 GPa	0.175 ksi	
200% Modulus	0.00159 GPa	0.230 ksi	
300% Modulus	0.00221 GPa	0.320 ksi	
Tear Strength	23.9 kN/m	136 pli	Die C

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

Processing Properties	Metric	English	Comments
Cure Time	7.00 min	0.117 hour	
	@Temperature 149 °C	@Temperature 300 °F	

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