

TSE Industries Millathane® 5004 Millable Polyurethane Elastomer with 80 PHR N330 (HAF) Black

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). Formulation Millathane 5004 100 Stearic Acid 0.25 N330 (HAF) Black 80 Di-Cup 40 C6.0 All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-5004-Millable-Polyurethane-Elastomer-with-80-PHR-N330-HAF-Black.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	
	98	98	heat aged 70 hours at 300°F
	98	98	heat aged one week at 300°F
Tensile Strength, Yield	9.79 MPa	1420 psi	heat aged one week at 300°F
	10.0 MPa	1450 psi	heat aged 70 hours at 300°F
	15.9 MPa	2310 psi	
Elongation at Yield	50 %	50 %	heat aged 70 hours at 300°F
	60 %	60 %	heat aged one week at 300°F
	200 %	200 %	
100% Modulus	0.0114 GPa	1.66 ksi	
200% Modulus	0.0159 GPa	2.31 ksi	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 152 °C	@Temperature 305 °F	

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