

## TSE Industries Millathane® 5004 Millable Polyurethane Elastomer with 60 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 60 Di-Cup 40 C5.3 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-60-PHR-N330-HAF-Black.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-5004-Millable-Polyurethane-Elastomer-with-60-PHR-N330-HAF-Black.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	heat aged one week at 300°F
	86	86	
	89	89	heat aged 70 hours at 300°F
Tensile Strength, Yield	10.3 MPa	1500 psi	heat aged one week at 300°F
	14.5 MPa	2100 psi	heat aged 70 hours at 300°F
	24.9 MPa	3610 psi	
Elongation at Yield	220 %	220 %	heat aged 70 hours at 300°F
	230 %	230 %	heat aged one week at 300°F
	280 %	280 %	
100% Modulus	0.00483 GPa	0.700 ksi	heat aged one week at 300°F
	0.00655 GPa	0.950 ksi	heat aged 70 hours at 300°F
	0.00993 GPa	1.44 ksi	
200% Modulus	0.00793 GPa	1.15 ksi	heat aged one week at 300°F
	0.0131 GPa	1.90 ksi	heat aged 70 hours at 300°F
	0.0207 GPa	3.00 ksi	

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

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**Contact Songhan Plastic Technology Co.,Ltd.**

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