

## TSE Industries Millathane® 5004 Millable Polyurethane Elastomer with 40 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 40 Di-Cup 40 C4.6 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-40-PHR-N330-HAF-Black.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-5004-Millable-Polyurethane-Elastomer-with-40-PHR-N330-HAF-Black.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	
	79	79	heat aged one week at 300°F
	80	80	heat aged 70 hours at 300°F
Tensile Strength, Yield	11.0 MPa	1600 psi	heat aged one week at 300°F
	19.0 MPa	2760 psi	heat aged 70 hours at 300°F
	28.5 MPa	4140 psi	
Elongation at Yield	280 %	280 %	heat aged 70 hours at 300°F
	310 %	310 %	heat aged one week at 300°F
	340 %	340 %	
100% Modulus	0.00427 GPa	0.620 ksi	heat aged one week at 300°F
	0.00607 GPa	0.880 ksi	heat aged 70 hours at 300°F
	0.00910 GPa	1.32 ksi	
200% Modulus	0.00820 GPa	1.19 ksi	heat aged one week at 300°F
	0.0137 GPa	1.99 ksi	heat aged 70 hours at 300°F
	0.0196 GPa	2.84 ksi	
300% Modulus	0.0110 GPa	1.59 ksi	heat aged one week at 300°F
	0.0270 GPa	3.91 ksi	

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China