

## TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 2.5 PHR Vul-Cup 40KE Peroxide

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Millathane® 76 is a very suitable choice for use in products such as bushings, small copier rolls; automotive applications – bumpers, o-rings, hydraulic seals, belts, gaskets, solid tires – and many other high performance polyurethane applications. Millathane 76 can be vulcanized by sulfur or peroxide cured systems. Curing of Millathane®76 can easily be done with many types of peroxides. Millathane76 peroxide vulcanizates have superior compression set, greater heat stability, and are more resistant to reversion than sulfur cures. Formulation Vul-Cup 40KE 2.5 Millathane 76 100.0 Stearic Acid 0.25 Poly AC 617A 0.5N-55035.0TP-953.0 All information provided by TSE Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-25-PHR-Vul-Cup-40KE-Peroxide.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-25-PHR-Vul-Cup-40KE-Peroxide.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	
	68	68	heat aged 70 hours @ 100°C
Tensile Strength, Yield	26.21 MPa	3802 psi	heat aged 70 hours @ 100°C
	26.37 MPa	3825 psi	
Elongation at Yield	282.88 %	282.88 %	heat aged 70 hours @ 100°C
	340 %	340 %	
100% Modulus	0.00442 GPa	0.641 ksi	
200% Modulus	0.01451 GPa	2.104 ksi	
300% Modulus	0.0235 GPa	3.41 ksi	
Tear Strength	59.0 kN/m	337 pli	Die C
	25.9 %	25.9 %	
Compression Set	@Temperature 100 °C, Time 79200 sec	@Temperature 212 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	7.00 min	0.117 hour	
	@Temperature 83.3 °C	@Temperature 182 °F	

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

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