TSE Industries, Inc.
4370 112th Terrace North
Clearwater, FL 33762 (USA)
727-573-7676 or 800-237-7634 www.tse-industries.com

Formula ID	1682	Compound No.	XP-5774-A	Cure:	S
		Color:	B	Type:	Polyether

Application: 70 Shore A Black Millathane® E40 Molding Compound

Millathane® E40	100.00
Zinc Stearate	0.50
N330 Black	20.00
N550 Black	10.00
DBEEA (TP-95)	7.00
Struktol WB-222	1.00
AC617A Polyethylene	1.00
MBTS	4.00
MBT	2.00
Thanecure® ZM	1.50
Sulfur	1.50
Total	148.50

Durometer, Shore A	70	
Durometer, Shore D		
100% Modulus, psi	475	3.3 MPa
200% Modulus, psi	1040	7.2 MPa
300% Modulus, psi	1610	11.1 MPa
Tensile Strength, psi	3590	24.8 MPa
Elongation,%	535	
Tear Die C, lb/in.	225	39.4 kN/m
Tear Die B, lb/in.		kN/m
Specific Gravity, g/cc	1.160	
CureTime, minutes	6	
Cure Temp°F	320	160 °C
Mooney Viscosity, ML4/100°C	44	
Bashore Resilience, %	45	
DIN Abrasion, mm³ loss	90	
Compression Set 22h/70°C, %	33	
Compression Set 70h/70°C, %		
Compression Set 22h/100°C, %		
Compression Set 70h/100°C, %		
Compression Set 22h/125°C, %		
Compression Set 22h/150°C, %		

Brittle Point, °C	
TR10, °C (ASTM D1329)	
Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Compression Set - Other Conditions:
Hrs ºC %Set

Heat Aging Hrs at °C

Hardness Change, pts.	
Tensile Change, %	
Elongation Change, %	

Fluid Aging Humidity, 80% Relative Humidity
1224 Hrs at 60 °C

Hardness Change, pts.	4
Tensile Change, %	-30
Elongation Change, %	-50
Volume Change, %	

Other Tests and Info: MDR at 160ºC: t90=6.0 min

5/11/2009

The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions. Nothing in this literature is intended as a recommendation to use our products so as to infringe on any patent. MIllstab™ is a trademark, and Millathane® and Thanecure® are registered trademarks of TSE Industries, Inc.