TSE Industries, Inc.
4370 112th Terrace North
Clearwater, FL 33762 (USA)
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Formula ID	709	Compound No.	XP-3448-A2	Cure:	P
		Color:	NB	Type:	Polyether

Application: 91 Shore A Clear Millathane® 97 Compound

Millathane® 97	100.00
Stearic Acid	0.50
Wacker HDK-N20 fumed silica	45.00
SR 350	20.00
AC617A Polyethylene	2.00
Carbowax 3350	2.50
Silquest A-172	2.00
Irganox 1010	0.25
DiCup R	1.00
TP-95	2.00
Total	175.25

Durometer, Shore A	91	
Durometer, Shore D		
100% Modulus, psi	940	6.5 MPa
200% Modulus, psi	1742	12.0 MPa
300% Modulus, psi	2875	19.8 MPa
Tensile Strength, psi	3067	21.2 MPa
Elongation,%	316	
Tear Die C, lb/sq. in.	201	35.2 kN/m
Specific Gravity, g/cc	1.177	
CureTime, minutes	5	
Cure Temp°F	320	160 °C
Mooney Viscosity, ML4/100°C	146	
Bashore Resilience, %	50	
Brittle Point, °C		
Compression Set 22h/70°C, %	35	
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, %		

Compression Set - Other Conditions:
Hrs ºC %Set

Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
DIN Abrasion, mm³ loss	
UL 94 Rating:	

Heat Aging Hrs at °C

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

Fluid Aging Hrs at °C

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

Other Tests and Info: Compression set buttons cured 10'/160C.

3/23/2005

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. Millathane, Thanecure and Crystal are registered trademarks of TSE Industries, Inc.