TSE Industries, Inc.
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Clearwater, FL 33762 (USA)
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Formula ID	666	Compound No.	XP-3428-A	Cure:	P
		Color:	B	Type:	Polyester

Application: 50 Shore A Black Millathane® 76 Peroxide-Cured Compound

Millathane® 76	100.00
Stearic Acid	0.50
N550 Black	30.00
Akrofax 758	5.00
TP-95	20.00
Struktol WB-222	1.00
DiCup 40C	2.00
Total	158.50

Durometer, Shore A	50	
Durometer, Shore D		
100% Modulus, psi	175	1.2 MPa
200% Modulus, psi	565	3.9 MPa
300% Modulus, psi	1185	8.2 MPa
Tensile Strength, psi	2245	15.5 MPa
Elongation,%	440	
Tear Die C, lb/sq. in.		kN/m
Specific Gravity, g/cc		
CureTime, minutes	10	
Cure Temp°F	320	160 °C
Mooney Viscosity, ML4/100°C		
Bashore Resilience, %		
Brittle Point, °C		
Compression Set 22h/70°C, %		
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: MDR: 30'/160C (320F): ML=0.6 lg-in, MH=5.2 lb-in, ts1=2.5', tc50=4.6', tc90=10.1'. Press cure 13'/160C gave similar properties as shown.

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.