TSE INDUSTRIES, INC.
5180 113th Avenue North, Clearwater, Florida 33760 USA
tse-industries.com
(800) 237-7634 | (727) 573-7676

Formula ID 2061 Compound XP-7528-P1 Cure: S Color: NB

Urethane Type: Polyether

Application: 73 Shore A, Non-Black,Sulfur Cured, Millathane® 55 Compound

Millathane® 55	100.00
Zinc Stearate	0.50
Hi-Sil 243LD	25.00
Silquest A189	0.50
DBEEA (TP-95)	3.00
Carbowax 3350	2.00
Struktol WB-222	1.00
AC617A Polyethylene	2.00
MBTS	4.00
MBT	2.00
Thanecure® ZM	1.00
PB (RMS)-80 (80% sulfur)	2.50
Total	143.50

Brittle Point, °C		
TR10, °C (ASTM D1329)		
Bashore Resilience, %	48	
DIN Abrasion, mm³ loss	55	
Compression Set 22h/70°C, %	62	
Compression Set 70h/70°C, %		
Compression Set 22h/100°C, %	81	
Compression Set 70h/100°C, %		
Compression Set 22h/125°C, %		
Compression Set 22h/150°C, %		
Compression Set, Other conditions:		
h/ °C,%		

Durometer, Shore A	73	
Durometer, Shore D		
Durometer, Asker C		
25% Modulus, psi		MPa
50% Modulus, psi		MPa
100% Modulus, psi	440	3.0 MPa
200% Modulus, psi	885	6.1 MPa
300% Modulus, psi	1530	10.6 MPa
Tensile Strength, psi	3710	25.6 MPa
Elongation,%	510	
Tear Die C, lb/in.	252	44.1 kN/m
Tear Die B, lb/in.	297	52.0 kN/m
Tear Die T, lb/in.	37	6.5 kN/m
Specific Gravity, g/cc	1.150	
CureTime, minutes	14	
Cure Temp°F	320	160 °C
Mooney Viscosity, ML4/100°C	37	

Heat Aging 70 Hrs at 70 °C

Hardness Change, pts.	3
Tensile Change, %	-18
Elongation Change, %	-32

Fluid Aging Hydrolytic stability test, ASTM 3137

96 Hrs at 85 °C

Hardness Change, pts.	-3
Tensile Change, %	-29
Elongation Change, %	-31
Volume Change, %	
Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Other Tests and Info:

10/1/2020

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 nor do we guarantee that this or other formulas will work in a specific application . 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. All other brand names and product names refernced are trademarks, registered trademarks or trade names of their respective holders.