



TSE Industries, Inc.
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Formula ID 570 Compound No. V4691B Cure: P
 Color: NB Type: Polyester

Application: 58 Shore A Millathane® 5004 Compound ASTM D2000 M4BG628A14B14

Millathane® 5004	100.00	Durometer, Shore A	58	
Stearic Acid	0.25	Durometer, Shore D		
Hi-Sil 233	10.00	100% Modulus, psi	270	1.9 MPa
Paraplex G-50	5.00	200% Modulus, psi		MPa
DiCup 40C	4.00	300% Modulus, psi		MPa
		Tensile Strength, psi	4160	28.7 MPa
		Elongation, %	550	
		Tear Die C, lb/sq. in.		kN/m
		Specific Gravity, g/cc		
		CureTime, minutes	20	
		Cure Temp°F	160	71 °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, %	46	
		Compression Set 22h/125°C, %		
		Compression Set 22h/150°C, %		
		Compression Set - Other Conditions:		
			<input type="text"/> Hrs <input type="text"/> °C <input type="text"/> %Set	
Heat Aging 70 Hrs at 100 °C		Fluid Aging Oil ASTM #3		70 Hrs at 121 °C
Hardness Change, pts.	1	Hardness Change, pts.	-11	
Tensile Change, %	2	Tensile Change, %	-46	
Elongation Change, %	-1	Elongation Change, %	9	
		Volume Change, %	1.0	

Other Tests and Info:

Fuel B aging 7 days/RT (22C): H: -4, TS: -43%, E: -13%, V: +15

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.