



**TSE Industries, Inc.**

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

Formula ID 1798 Compound XP-7134-B Cure: P Color: NB  
Urethane Type: Polyether

Application: 91 Shore A Non-Black Millathane® CM Compound

Millathane® CM	100.00	Durometer, Shore A	91	
Stearic Acid	0.20	Durometer, Shore D		
Ultrasil VN3	30.00	Durometer, Asker C		
Silquest A-172	0.60	25% Modulus, psi		MPa
Struktol WB-222	1.00	50% Modulus, psi		MPa
SR 231 (DEGDMA)	12.00	100% Modulus, psi	1320	9.1 MPa
SR 517	12.00	200% Modulus, psi	2060	14.2 MPa
Irganox 1010	1.00	300% Modulus, psi		MPa
Naugard 445	0.50	Tensile Strength, psi	2840	19.6 MPa
DiCup 40C	2.00	Elongation,%	290	
		Tear Die C, lb/in.	234	41.0 kN/m
		Tear Die B, lb/in.	470	82.3 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.175	
		CureTime, minutes	5	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	49	
		<b>Heat Aging</b> 168 Hrs at 100 °C		
		Hardness Change, pts.	1	
		Tensile Change, %	-9	
		Elongation Change, %	-33	
		<b>Fluid Aging</b> Oil, IRM 902		
		18 Hrs at 121 °C		
		Hardness Change, pts.	-3	
		Tensile Change, %	-23	
		Elongation Change, %	-35	
		Volume Change, %	7.7	
		Surface Resistivity, ohm/cm <sup>2</sup>		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
Total	159.30			
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	40			
DIN Abrasion, mm <sup>3</sup> loss	120			
Compression Set 22h/70°C, %				
Compression Set 70h/70°C, %				
Compression Set 22h/100°C, %	25			
Compression Set 70h/100°C, %				
Compression Set 22h/125°C, %				
Compression Set 22h/150°C, %				
Compression Set, Other conditions:				
	h/ °C,%			

Other Tests and Info:

SR517 is a scorch-retarded trifunctional methacrylate from Sartomer.

8/23/2016

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 referenced are trademarks, registered trademarks or trade names of their respective holders.