



Formula ID 697 Compound 38786-C1 Cure: S Color: B  
Urethane Type: Polyether

Application: 66 Shore A, Black, Sulfur Cured, Millathane® CM Compound for Belting

Millathane® CM	100.00	Durometer, Shore A	66	
Zinc Stearate	0.50	Durometer, Shore D		
N220 Black	15.00	Durometer, Asker C		
DBEEA (TP-95)	3.00	25% Modulus, psi		MPa
MBTS	4.00	50% Modulus, psi		MPa
MBT	2.00	100% Modulus, psi	380	2.6 MPa
Thanecure® ZM	1.00	200% Modulus, psi		MPa
Sulfur	2.00	300% Modulus, psi	1620	11.2 MPa
		Tensile Strength, psi	4460	30.8 MPa
		Elongation, %	600	
		Tear Die C, lb/in.	320	56.0 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.150	
		CureTime, minutes	13	
		Cure Temp°F	302	150 °C
		Mooney Viscosity, ML4/100°C	46	
		<b>Heat Aging</b> <input type="text" value="70"/> Hrs at <input type="text" value="100"/> °C		
		Hardness Change, pts.	6	
		Tensile Change, %	-37	
		Elongation Change, %	-52	
		<b>Fluid Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Volume Change, %		
		Surface Resistivity, ohm/cm <sup>2</sup>		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Compression Set, Other conditions:		
		<input type="text"/> h/ <input type="text"/> °C, % <input type="text"/>		

Other Tests and Info: Mooney Scorch, MS/125C: t5=17.8'; ODR at 150C: t90=9.5'; DIN Abrasion Index=206, NBS Abrasive Index=387, Pico Abrasion Index=118; aging data at 70C available (38786-C2)

10/1/2020

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