



Formula ID 2307 Compound XP-8219-D Cure: S Color: B
Urethane Type: Polyester

Application: 87 Shore A Black, Sulfur-Cured Millathane® HT Premilled Compound

Millathane® HT Premilled	101.50	Durometer, Shore A	87	
Zinc Stearate	0.50	Durometer, Shore D		
N330 Black	60.00	Durometer, Asker C		
DBEEA (TP-95)	5.00	25% Modulus, psi		MPa
Struktol WB-222	1.00	50% Modulus, psi		MPa
AC617A Polyethylene	2.00	100% Modulus, psi	1120	7.7 MPa
MBTS	4.00	200% Modulus, psi	2230	15.4 MPa
MBT	2.00	300% Modulus, psi	2930	20.2 MPa
Thanecure® ZM	1.00	Tensile Strength, psi	3240	22.3 MPa
Sulfur	1.50	Elongation, %	395	
		Tear Die C, lb/in.	271	47.4 kN/m
		Tear Die B, lb/in.	525	91.9 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.311	
		CureTime, minutes	9	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C		
		Heat Aging 24 Hrs at 150 °C		
		Hardness Change, pts.	6	
		Tensile Change, %	-8	
		Elongation Change, %	-65	
		Fluid Aging Oil, IRM 903		
		24 Hrs at 70 °C		
		Hardness Change, pts.	0	
		Tensile Change, %	3	
		Elongation Change, %	-14	
		Volume Change, %	0.2	
		Surface Resistivity, ohm/cm ²		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Total	178.50	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	25			
DIN Abrasion, mm ³ loss	116			
Compression Set 22h/70°C, %	54			
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:				
	h/ °C, %			

Other Tests and Info:

10/1/2020

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