TSE Industries, Inc.
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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
Zinc Stearate	0.50
N330 Black	60.00
DBEEA (TP-95)	5.00
Struktol WB-222	1.00
AC617A Polyethylene	2.00
MBTS	4.00
MBT	2.00
Thanecure® ZM	1.00
Sulfur	1.50
Total	178.50

Durometer, Shore A	87		
Durometer, Shore D			
Durometer, Asker C			
25% Modulus, psi			MPa
50% Modulus, psi			MPa
100% Modulus, psi	1120	7.7	MPa
200% Modulus, psi	2230	15.4	MPa
300% Modulus, psi	2930	20.2	MPa
Tensile Strength, psi	3240	22.3	MPa
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			

Brittle Point, °C	
TR10, °C (ASTM D1329)	
Bashore Resilience, %	25
DIN Abrasion, mm³ loss	116

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

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/ ºC,%	

Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Other Tests and Info:

7/24/2017

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