TSE Industries, Inc.
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Formula ID 778 Compound No. XP-3474-B Cure: P

Color: B Type: Polyester

Application: 80 Shore A Black Millathane® 66 Compound

Millathane® 66 Premilled	101.50
Stearic Acid	0.30
N550 Black	40.00
TP-95	5.00
Struktol WB-222	1.00
AC617A Polyethylene	1.00
SR 231	20.00
SR 350	0.00
Varox DBPH-50	5.00
Total	173.80

Durometer, Shore A	80		
Durometer, Shore D	25		
100% Modulus, psi	320	2.2	MPa
200% Modulus, psi	630	4.3	MPa
300% Modulus, psi	1020	7.0	MPa
Tensile Strength, psi	1790	12.3	MPa
Elongation,%	570		
Tear Die C, lb/in.	222	38.9	kN/m
Tear Die B, lb/in.			kN/m
Specific Gravity, g/cc	1.270		
CureTime, minutes	6		
Cure Temp°F	347	175	°C
Mooney Viscosity, ML4/100°C	35		
Bashore Resilience, %	38		
Brittle Point, °C			
Compression Set 22h/70°C, %	61		
Compression Set 70h/70°C, %			
Compression Set 22h/100°C, %	68		
Compression Set 70h/100°C, %			
Compression Set 22h/125°C, %	80		
Compression Set 22h/150°C, %			

DIN Abrasion, mm³ loss 43

Surface Resistivity, ohm/cm²

Volume Resistivity, ohm-cm

UL 94 Rating:

Compression Set - Other Conditions:

Hrs ºC %Set

Heat Aging Hrs at °C

Hardness Change, pts.

Tensile Change, %

Elongation Change, %

Fluid Aging Hrs at °C

Hardness Change, pts.

Tensile Change, %

Elongation Change, %

Volume Change, %

Other Tests and Info: Premilled Millathane 66 contains 1.5 phr of a carbodiimide, added to improve polymer and compound stability and hydrolysis resistance. MDR at 175C: ML=0.9 lb-in, MH=6.8 lb-in, ts1=0.5', t50=2.4', t90=6.4'.

6/8/2007

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.