TSE Industries, Inc.
4370 112th Terrace North
Clearwater, FL 33762 (USA)
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Formula ID	697	Compound No.	38786-C	Cure:	S
		Color:	B	Type:	Polyether

Application: 66 Shore A Black Millathane® CM for Belting

Millathane® CM	100.00
N220 Black	15.00
TP-95	3.00
Zinc Stearate	0.50
MBTS	4.00
MBT	2.00
Thanecure® ZM	1.00
Sulfur	2.00
Total	127.50

Durometer, Shore A	66	
Durometer, Shore D		
100% Modulus, psi	380	2.6 MPa
200% Modulus, psi		MPa
300% Modulus, psi	1620	11.2 MPa
Tensile Strength, psi	4460	30.8 MPa
Elongation,%	600	
Tear Die C, lb/sq. in.	320	56.0 kN/m
Specific Gravity, g/cc	1.150	
CureTime, minutes	13	
Cure Temp°F	302	150 °C
Mooney Viscosity, ML4/100°C	46	
Bashore Resilience, %	40	
Brittle Point, °C		
Compression Set 22h/70°C, %		
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:
Hrs ºC %Set

Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
DIN Abrasion, mm³ loss	64
UL 94 Rating:	

Heat Aging 70 Hrs at 100 °C

Hardness Change, pts.	6
Tensile Change, %	-37
Elongation Change, %	-52

Fluid Aging Hrs at °C

Hardness Change, pts.	
Tensile Change, %	
Elongation Change, %	
Volume Change, %	

Other Tests and Info: Mooney Scorch, MS/125C: t5=17.8'; ODR at 150C: t90=9.5'; Oven aging 70 hr/70C: Hardness: +4, Tensile: -32%, Elongation: -43%

3/23/2005

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.