**TSE Industries, Inc.**
4370 112th Terrace North
Clearwater, FL 33762 (USA)
727-573-7676 or 800-237-7634 www.tse-industries.com

| | | | | | |
|---|---|---|---|---|---|
| Formula ID | 1577 | Compound No. | XP-5358-A | Cure: | S |
| | | Color: | B | Type: | Polyether |

Application: 55 Shore A Millathane® E40 Molding Compound

| | |
|---|---|
| Millathane® E40 | 100.00 |
| Zinc Stearate | 0.50 |
| N550 Black | 20.00 |
| Cumar P-10 | 10.00 |
| DBEEA (TP-95) | 5.00 |
| AC617A Polyethylene | 1.00 |
| Struktol WB-222 | 0.50 |
| MBTS | 4.00 |
| MBT | 2.00 |
| Thanecure® ZM | 1.00 |
| Sulfur | 1.50 |
| | |
| | |
| | |
| | |
| Total | 145.50 |

| | | |
|---|---|---|
| Durometer, Shore A | 55 | |
| Durometer, Shore D | | |
| 100% Modulus, psi | 220 | 1.5 MPa |
| 200% Modulus, psi | 440 | 3.0 MPa |
| 300% Modulus, psi | 780 | 5.4 MPa |
| Tensile Strength, psi | 3890 | 26.8 MPa |
| Elongation,% | 645 | |
| Tear Die C, lb/in. | 166 | 29.1 kN/m |
| Tear Die B, lb/in. | 249 | 43.6 kN/m |
| Specific Gravity, g/cc | 1.130 | |
| CureTime, minutes | 6 | |
| Cure Temp°F | 320 | 160 °C |
| Mooney Viscosity, ML4/100°C | 39 | |
| Bashore Resilience, % | 42 | |
| DIN Abrasion, mm³ loss | 94 | |
| Compression Set 22h/70°C, % | 42 | |
| 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

| | |
|---|---|
| Brittle Point, °C | |
| TR10, °C (ASTM D1329) | |
| Surface Resistivity, ohm/cm² | |
| Volume Resistivity, ohm-cm | |
| UL 94 Rating: | |

**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: t90 at: 160C: 5.5, 155C: 9.2, 150C: 12.8, 138C (280F): 29.4

5/11/2009

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