



Formula ID 155 Compound E34-246 Cure: S Color: NB
Urethane Type: Polyether

Application: 65 Shore A, Non-Black, Sulfur Cured, Millathane® E34 Flame Retardant* Compound

| | | | | |
|------------------------------------|--|--|--------|-----------|
| Millathane® E34 | 100.00 | Durometer, Shore A | 65 | |
| Zinc Stearate | 0.50 | Durometer, Shore D | | |
| Polyfil HG90 | 40.00 | Durometer, Asker C | | |
| Great Lakes DE83R | 20.00 | 25% Modulus, psi | | MPa |
| Antimony Oxide | 10.00 | 50% Modulus, psi | | MPa |
| MBTS | 4.00 | 100% Modulus, psi | 574 | 4.0 MPa |
| MBT | 2.00 | 200% Modulus, psi | 1339 | 9.2 MPa |
| Thanecure® ZM | 1.00 | 300% Modulus, psi | 1955 | 13.5 MPa |
| Sulfur | 1.50 | Tensile Strength, psi | 3527 | 24.3 MPa |
| | | Elongation, % | 494 | |
| | | Tear Die C, lb/in. | 229 | 40.1 kN/m |
| | | Tear Die B, lb/in. | | kN/m |
| | | Tear Die T, lb/in. | | kN/m |
| | | Specific Gravity, g/cc | | |
| | | CureTime, minutes | 23 | |
| | | Cure Temp°F | 310 | 154 °C |
| | | Mooney Viscosity, ML4/100°C | | |
| | | Heat Aging <input type="text"/> Hrs at <input type="text"/> °C | | |
| | | Hardness Change, pts. | | |
| | | Tensile Change, % | | |
| | | Elongation Change, % | | |
| | | Fluid Aging <input type="text"/> Hrs at <input type="text"/> °C | | |
| | | Hardness Change, pts. | | |
| | | Tensile Change, % | | |
| | | Elongation Change, % | | |
| | | Volume Change, % | | |
| | | Surface Resistivity, ohm/cm ² | | |
| | | Volume Resistivity, ohm-cm | | |
| | | UL 94 Rating: | V-0 | |
| | | Total | 179.00 | |
| Brittle Point, °C | | | | |
| TR10, °C (ASTM D1329) | | | | |
| Bashore Resilience, % | | | | |
| DIN Abrasion, mm ³ loss | | | | |
| 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: | | | | |
| | <input type="text"/> h/ <input type="text"/> °C, % | | | |

Other Tests and Info: DE83R is DBDPO, decabromodiphenyloxiide (Chemtura). Polyfil HG90 is a water-washed kaolin clay (Kamin).
*The UL Rating of V-0 is estimated based upon laboratory burn testing; the customer should confirm the fire rating of the mixed compound.

10/1/2020

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