

## Teknor Apex Elexar<sup>®</sup> EL 3954-62 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

Notes: Elexar<sup>®</sup> is a family of styrene block copolymer thermoplastic elastomers, often referred to as thermoplastic rubber (TPR). Elexar<sup>®</sup> "rubber-like" compounds offer superior electrical properties coupled with excellent flexibility, toughness, and surface aesthetics. Elexar<sup>®</sup> compounds are specially designed for wire & cable, fiber optic, and electrical/electronics. Elexar<sup>®</sup> TPEs are excellent alternatives to thermoset rubber, TPU's, and flexible PVC. Application: Injection Molding Wire Types: SEOW FR; VW-1 Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Elexar-EL-3954-62-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Elexar-EL-3954-62-Thermoplastic-Elastomer.php)

| Physical Properties | Metric   | English  | Comments   |
|---------------------|--|--|------------|
| Specific Gravity    | 1.18 g/cc  | 1.18 g/cc  |            |
| Melt Flow           | 16.0 g/10 min<br>@Load 5.00 kg,<br>Temperature 200 Â°C | 16.0 g/10 min<br>@Load 11.0 lb,<br>Temperature 392 Â°F | ASTM D1238 |

| Mechanical Properties | Metric   | English | Comments |
|-----------------------|----------|---------|----------|
| Hardness, Shore A     | 62       | 62      |          |
| Tensile Strength      | 4.83 MPa | 700 psi |          |
| Elongation at Break   | 720 %    | 720 %   |          |

| Thermal Properties      | Metric       | English      | Comments |
|-------------------------|--------------|--------------|----------|
| Brittleness Temperature | <= -60.0 Â°C | <= -76.0 Â°F |          |
| UL RTI, Electrical      | 90.0 Â°C     | 194 Â°F      |          |
| Flammability, UL94      | HB           | HB           |          |
| Oxygen Index            | 18 %         | 18 %         |          |

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