

APEX® 157V-4

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

| | | | |
|-------------------|--|--|-----------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Low to No Migration • Oil Resistant | • Sunlight Resistant (720 hours) • UV Resistant | |
| Uses | • Automotive Electronics | • Flexible Cord Jacketing | • Wire & Cable Applications |
| Wire Types | • SJTOW | • STOW | • SVTO |
| Agency Ratings | • UL QMTT2 | | |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Opaque | | |
| Forms | • Pellets | | |
| Processing Method | • Extrusion | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------------|---------------|------|-------------|
| Specific Gravity | 1.37 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2100 | psi | ASTM D638 |
| Tensile Elongation (Break) | 400 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 72 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 221 | °F | ASTM D794 |
| Brittleness Temperature | -31.0 | °F | ASTM D746 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 25 | % | ASTM D2863 |

Additional Information

Temperature Rating: 105 °C
 UL Sunlight Resistance Recognition: 720 hr
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 67 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 115 %
 Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 87 %
 Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 104 %

Processing Information

| Extrusion | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 345 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.



Revision Date: 12/12/2013

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