

APEX® 7500-105

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 | • High Heat Resistance | | |
| Uses | • Connectors • Grommets | • Plugs • Strain Reliefs | |
| Wire Types | • Molded Components | | |
| Agency Ratings | • UL QMFZ2 | | |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Clear/Transparent | | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|----------------|-------|-------------|
| Specific Gravity | 1.27 | | ASTM D792 |
| Molding Shrinkage - Flow | 0.010 to 0.020 | in/in | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 3000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 280 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore C, 10 sec) | 80 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 221 | °F | ASTM D794 |
| Brittleness Temperature | 1.40 | °F | ASTM D746 |
| RTI Elec | | | UL 746 |
| 0.030 in | 122 | °F | |
| 0.12 in | 122 | °F | |
| RTI Imp | | | UL 746 |
| 0.030 in | 122 | °F | |
| 0.12 in | 122 | °F | |
| RTI Str | | | UL 746 |
| 0.030 in | 122 | °F | |
| 0.12 in | 122 | °F | |
| Electrical | Nominal Value | Unit | Test Method |
| Comparative Tracking Index (CTI) (0.118 in) | PLC 0 | | UL 746 |
| High Amp Arc Ignition (HAI) (0.12 in) | PLC 0 | | UL 746 |
| Hot-wire Ignition (HWI) (0.12 in) | PLC 0 | | UL 746 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.030 in | V-2 | | |
| 0.12 in | V-0 | | |
| Oxygen Index | 26 | % | ASTM D2863 |

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Additional Information

Temperature Rating: 105 °C

Revision Date: 12/12/2013

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Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 380 | °F |

Notes

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

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