

APEX® 6500-75

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

General Information

General

| | | | |
|-------------------|--|-----------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| 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 |
|--------------------------------------|----------------|-------|-------------|
| Density / Specific Gravity | 1.21 | | ASTM D792 |
| Molding Shrinkage - Flow | 0.010 to 0.012 | in/in | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2240 | psi | ASTM D638 |
| Tensile Elongation (Break) | 350 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 74 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 140 | °F | ASTM D794 |
| Brittleness Temperature | -31.0 | °F | ASTM D746 |
| RTI Elec (0.06 in) | 122 | °F | UL 746 |
| RTI Imp (0.06 in) | 122 | °F | UL 746 |
| RTI Str (0.06 in) | 122 | °F | UL 746 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.06 in) | HB | | UL 94 |
| Oxygen Index | 22 | % | ASTM D2863 |
| Additional Information | | | |
| Temperature Rating: 60 °C | | | |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 345 | °F |

Notes

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

Revision Date: 12/12/2013

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