

# APEX® 7500-80

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

## General Information

### General

|                   |  |                             |                 |
|-------------------|--|-----------------------------|-----------------|
| Material Status   | • Commercial: Active                     |                             |                 |
| Availability      | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features          | • High Heat Resistance                   |                             |                 |
| Uses              | • Connectors<br>• Grommets               | • Plugs<br>• 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 <sup>1</sup>

| 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)             | 2250           | psi   | ASTM D638   |
| Tensile Elongation (Break)           | 380            | %     | ASTM D638   |
| Hardness                             | Nominal Value  | Unit  | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 80             |       | ASTM D2240  |
| Thermal                              | Nominal Value  | Unit  | Test Method |
| Continuous Use Temperature           | 221            | °F    | ASTM D794   |
| Brittleness Temperature              | -41.8          | °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: 105 °C

## Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 355           | °F   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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