



APEX® P-55003

Teknor Apex Company - Polyvinyl Chloride + PUR

General Information

| General | | | |
|----------------------|--|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Latin America • North America | |
| Features | • Flame Retardant • Low Temperature Impact Resistance | • Low Temperature Resistant • Oil Resistant | • Plasticized |
| Uses | • Appliance Wire Jacketing • Cable Jacketing • Electronic Cable Jacketing | • Flame Retardant Jacketing • Flexible Jacketing • Industrial Cable Jacketing | • Jacketing |
| Wire Types | • AWM • CL2 • CL3 | • FT-4 • PLTC • TC | • VW-1 |
| Agency Ratings | • UL 1277 • UL 13 | • UL 758 • UL CL2 | • UL I Oil Rating • UL II Oil Rating |
| Regulatory Statement | • Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS. | | |
| Appearance | • Colors Available | • Opaque | |
| Forms | • Pellets | | |
| Processing Method | • Wire & Cable Extrusion | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density / Specific Gravity | 1.33 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 24.8 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 420 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec, Hand Held) | 86 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 90.0 | °C | ASTM D794 |
| Brittleness Temperature | -57.0 | °C | ASTM D746 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 32 | % | ASTM D2863 |

Additional Information

- Oil Rating 4 Days @ 100C, 0.030" thick plaques
- Retention of Tensile Strength: 100% UL1277
 - Retention of Elongation: 93% UL1277
- Oil Rating 60 Days @ 75C, 0.030" thick plaques
- Retention of Tensile Strength: 98% UL1277
 - Retention of Elongation: 87% UL1277

Data Sheet Applies to Colors Listed Below:

- Natural (1071662)
- Black 1 (1070039)