

APEX® 80853-F

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

Product Description

105°C, Non-Lead Stabilized, Insulation

UL Recognized Component Under QMTT2, File # 73402, PVC Insulation Intended for Use in 90°C Wet Locations

General

| | | | |
|-----------------|--|-------------------------------|-----------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Flame Retardant • Oil Resistant | | |
| Uses | • Insulation | • Wet Rated Insulation | • Wire & Cable Applications |
| Wire Types | • THHN • THHW • THW | • THW-2 • THWN • THWN-2 | • TW |
| Agency Ratings | • UL I Oil Rating | • UL QMTT2 | |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Opaque | | |
| Forms | • Pellets | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Specific Gravity | 1.32 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2800 | psi | ASTM D638 |
| Tensile Elongation (Break) | 350 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore C | 84 | | |
| Shore C, 10 sec | 72 | | |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 221 | °F | ASTM D794 |
| Brittleness Temperature | -2.20 | °F | ASTM D746 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 28 | % | ASTM D2863 |

Notes

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

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