

FIREGUARD® 910L16-C14-NL

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 |
| Features | • Flame Retardant | • Low Smoke Emission | |
| Uses | • Plenum Cable Jacketing | | |
| Wire Types | • CL2P • CL3P | • CMP • FPLP | • MPP • OFNP |
| Agency Ratings | • NEC Article 725 • NEC Article 760 • NEC Article 770 | • NEC Article 800 • UL 13 • UL 1424 | • UL 1651 • UL 444 • UL QMTM2 |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Opaque | | |
| Forms | • Pellets | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Density / Specific Gravity | 1.63 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2500 | psi | ASTM D638 |
| Tensile Elongation (Break) | 240 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore C | 92 | | |
| Shore C, 10 sec | 87 | | |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 167 | °F | ASTM D794 |
| Brittleness Temperature | 14.0 | °F | ASTM D746 |
| Electrical | Nominal Value | Unit | Test Method |
| Dielectric Constant | | | ASTM D150 |
| 1 kHz | 4.37 | | |
| 1 MHz | 3.61 | | |
| Dissipation Factor | | | ASTM D150 |
| 1 kHz | 0.061 | | |
| 1 MHz | 0.039 | | |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 50 | % | ASTM D2863 |

Additional Information

Av.Sp. Extinction Area: 148 m²/kg
 Avg. Heat of Combustion: 8.99 MJ/kg
 Avg. Heat Rel. Rate: 53 kw/m²
 Dynamic Heat Stability, 205°C, 100 rpm, 72 gms: 40
 Kayeness ACR, 370°F, 1000 sec-1: 362 PA-sec
 Peak Heat Rel. Rate: 75 kw/m²
 Peak Smoke: 0.93 l/m
 TA Six Digit Description: 130-927
 Total Heat Rel'd: 56 MJ/m²

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Processing Information

Extrusion

Nominal Value Unit

Melt Temperature

385 °F

Notes

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

Revision Date: 12/12/2013

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