

Teknor Apex Fireguard[®] 910-NL1 Polyvinyl Chloride, Flexible

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible Grade , PVC, Wire and Cable Grade

Material Notes:

Notes: RoHS Compliant 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 QMTT2 .E200337 Processing Method: Extrusion Forms: Pellets Additional Notes: Dynamic Heat Stability at 205[°]C, 100 rpm, 72 gr. #5 Bowl (Minutes to Decomposition): 50 Kayness ACR at 370[°]F, 1000 sec-1: 258 Pa-s Peak Heat Release Rate: 119 kW/m2 Average Heat Release Rate: 64 kW/m2 Total Heat Released: 78 MJ/m2 Average Heat of Combustion: 13.8 MJ/kg Average Specification Extinction Area: 273 m2/kg Peak Smoke: 2.3 l/m Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Fireguard-910-NL1-Polyvinyl-Chloride-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.59 g/cc | 1.59 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|----------|------------------------|
| Hardness, Shore C | 85 | 85 | 10 seconds; ASTM D2240 |
| | 92 | 92 | ASTM D2240 |
| Tensile Strength at Break | 17.6 MPa | 2550 psi | ASTM D638 |
| Elongation at Break | 200 % | 200 % | ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------------------|---------------------|---------------------------|
| Maximum Service Temperature, Air | 60.0 [°] C | 140 [°] F | Continuous Use; ASTM D794 |
| Brittleness Temperature | -6.00 [°] C | 21.2 [°] F | ASTM D746 |
| Oxygen Index | 45 % | 45 % | ASTM D2863 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|-----------|
| Dielectric Constant | 3.62 | 3.62 | ASTM D150 |
| | @Frequency 1.00e+6 Hz | @Frequency 1.00e+6 Hz | |
| Dissipation Factor | 4.67 | 4.67 | ASTM D150 |
| | @Frequency 1000 Hz | @Frequency 1000 Hz | |
| Dissipation Factor | 0.035 | 0.035 | ASTM D150 |
| | @Frequency 1.00e+6 Hz | @Frequency 1.00e+6 Hz | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------------------|--------------------|-----------|
| | @Frequency 1000 Hz | @Frequency 1000 Hz | ASTM D130 |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------|---------|----------|
| Melt Temperature | 196 Â°C | 385 Â°F | |

| Descriptive Properties | Value | Comments |
|------------------------|--------|----------|
| Appearance | Opaque | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China