



# FIREGUARD® 910L16-C14-NL

Teknor Apex Company - Flexible Polyvinyl Chloride

## General Information

### General

|                 |                                                             |                                           |                                     |
|-----------------|-------------------------------------------------------------|-------------------------------------------|-------------------------------------|
| Material Status | • Commercial: Active                                        |                                           |                                     |
| Availability    | • Africa & Middle East<br>• Asia Pacific                    | • Europe<br>• Latin America               | • North America                     |
| Features        | • Flame Retardant                                           | • Low Smoke Emission                      |                                     |
| Uses            | • Plenum Cable Jacketing                                    |                                           |                                     |
| Wire Types      | • CL2P<br>• CL3P                                            | • CMP<br>• FPLP                           | • MPP<br>• OFNP                     |
| Agency Ratings  | • NEC Article 725<br>• NEC Article 760<br>• NEC Article 770 | • NEC Article 800<br>• UL 13<br>• UL 1424 | • UL 1651<br>• UL 444<br>• UL QMTM2 |
| RoHS Compliance | • RoHS Compliant                                            |                                           |                                     |
| Appearance      | • Opaque                                                    |                                           |                                     |
| Forms           | • Pellets                                                   |                                           |                                     |

## ASTM & ISO Properties <sup>1</sup>

| 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 m<sup>2</sup>/kg  
 Avg. Heat of Combustion: 8.99 MJ/kg  
 Avg. Heat Rel. Rate: 53 kw/m<sup>2</sup>  
 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/m<sup>2</sup>  
 Peak Smoke: 0.93 l/m  
 TA Six Digit Description: 130-927  
 Total Heat Rel'd: 56 MJ/m<sup>2</sup>

FIREGUARD® 910L16-C14-NL  
Teknor Apex Company - Flexible Polyvinyl Chloride

| Processing Information |               |      |
|------------------------|---------------|------|
| Extrusion              | Nominal Value | Unit |
| Melt Temperature       | 385           | °F   |

Notes

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