

# APEX® 84853-L

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

## General Information

### General

|                 |   |                             |                 |
|-----------------|---|-----------------------------|-----------------|
| Material Status | • Commercial: Active                        |                             |                 |
| Availability    | • Africa & Middle East<br>• Asia Pacific    | • Europe<br>• Latin America | • North America |
| Features        | • Flame Retardant<br>• High Heat Resistance |                             |                 |
| Uses            | • Insulation                                |                             |                 |
| Wire Types      | • SJT                                       | • ST                        | • SVT           |
| Agency Ratings  | • UL 62                                     |                             |                 |
| RoHS Compliance | • RoHS Compliant                            |                             |                 |
| Appearance      | • Opaque                                    |                             |                 |
| Forms           | • Pellets                                   |                             |                 |

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

| Physical                             | Nominal Value | Unit    | Test Method |
|--------------------------------------|---------------|---------|-------------|
| Specific Gravity                     | 1.38          |         | ASTM D792   |
| Mechanical                           | Nominal Value | Unit    | Test Method |
| Tensile Strength (Break)             | 2800          | psi     | ASTM D638   |
| Tensile Elongation (Break)           | 290           | %       | ASTM D638   |
| Hardness                             | Nominal Value | Unit    | Test Method |
| Durometer Hardness (Shore C, 10 sec) | 75            |         | ASTM D2240  |
| Thermal                              | Nominal Value | Unit    | Test Method |
| Continuous Use Temperature           | 221           | °F      | ASTM D794   |
| Brittleness Temperature              | 1.40          | °F      | ASTM D746   |
| Electrical                           | Nominal Value | Unit    | Test Method |
| Volume Resistivity                   | 1.9E+15       | ohms-cm | ASTM D257   |
| Dielectric Constant                  | 1 kHz         | 4.49    | ASTM D150   |
|                                      | 1 MHz         | 3.14    |             |
| Dissipation Factor                   | 1 kHz         | 0.095   | ASTM D150   |
|                                      | 1 MHz         | 0.051   |             |
| Flammability                         | Nominal Value | Unit    | Test Method |
| Oxygen Index                         | 28            | %       | ASTM D2863  |

### Notes

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

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Revision Date: 12/12/2013

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