



# EUR APEX 80853-F

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             | • Electrically Insulating<br>• Flame Retardant                                                                                                                                                                                       | • Oil Resistant<br>• Plasticized                                                                     | • Sunlight Resistant (720 hours)                                                                                   |
| Uses                 | • Appliance Wire Insulation<br>• Building Wire Insulation<br>• Electronic Insulation                                                                                                                                                 | • Flame Retardant Insulation<br>• Industrial Cable Insulation<br>• Insulation                        | • Wet Rated Insulation                                                                                             |
| Wire Types           | • AWM<br>• CL2<br>• CL3<br>• FPL<br>• ITC<br>• MTW<br>• NM                                                                                                                                                                           | • NMB<br>• NMC<br>• PLTC<br>• TC<br>• THHN<br>• THHW<br>• THW                                        | • THW-2<br>• THWN<br>• THWN-2<br>• TW<br>• VW-1                                                                    |
| Agency Ratings       | • UL 1063<br>• UL 1277<br>• UL 13<br>• UL 1424<br>• UL 1569<br>• UL 1685<br>• UL 2250                                                                                                                                                | • UL 719<br>• UL 758<br>• UL 83<br>• UL CL2<br>• UL I Oil Rating<br>• UL II Oil Rating<br>• UL QMTT2 | • UL Type T<br>• UL Type THHN<br>• UL Type THHW<br>• UL Type THWN<br>• UL Type THWN-2<br>• UL Type TW<br>• UL VW-1 |
| Regulatory Statement | • Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS. |                                                                                                      |                                                                                                                    |
| Appearance           | • Colors Available                                                                                                                                                                                                                   | • Opaque                                                                                             |                                                                                                                    |
| Forms                | • Pellets                                                                                                                                                                                                                            |                                                                                                      |                                                                                                                    |
| Processing Method    | • Wire & Cable Extrusion                                                                                                                                                                                                             |                                                                                                      |                                                                                                                    |

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

| Physical                                        | Nominal Value | Unit | Test Method |
|-------------------------------------------------|---------------|------|-------------|
| Density / Specific Gravity                      | 1.31          |      | 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 (Shore C, 10 sec, Hand Held) | 72            |      | ASTM D2240  |
| 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  |

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#### Additional Information

Oil Rating:

- 4 Days @ 100C ..... UL83

Data Sheet Applies to Color Listed Below:

Natural (9515929)

7/21-lc

#### Notes

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