

# PVY416NL

Friday, March 4, 2022

## General Information

### General

|                   |  |  |  |
|-------------------|--|--|--|
| Material Status   | • Private  |  |  |
| Availability      | • Africa & Middle East<br>• Asia Pacific   | • Europe<br>• Latin America  | • North America  |
| Features          | • Flame Retardant<br>• Low Gloss   | • Low Temperature Resistant<br>• Oil Resistant   | • Plasticized  |
| Uses              | • Appliance Wire Insulation<br>• Appliance Wire Jacketing<br>• Cable Jacketing<br>• Flame Retardant Insulation | • Flame Retardant Jacketing<br>• Flexible Cord Insulation<br>• Flexible Cord Jacketing<br>• Flexible Jacketing | • Insulation<br>• Jacketing<br>• Retractable Cord Insulation |
| Wire Types        | • AWM<br>• SE<br>• SEO<br>• SEOO<br>• SJE  | • SJEO<br>• SJEOO<br>• SJT<br>• SJTO<br>• SJTOO  | • STO<br>• STOO<br>• SVE<br>• SVEO<br>• VW-1                 |
| Agency Rating     | • EC, 1907/2006 (REACH)  | • UL, 62   | • UL, 758  |
| RoHS Compliance   | • RoHS Compliant   |  |  |
| Appearance        | • Colors Available   | • Matte Finish   | • Opaque   |
| Forms             | • Pellets  |  |  |
| Processing Method | • Wire & Cable Extrusion   |  |  |

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

| Physical  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Density / Specific Gravity                      | 1.28          | g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                      | Nominal Value | Unit              | Test Method |
| Tensile Strength (Break)                        | 15.9          | MPa               | ASTM D638   |
| Tensile Elongation (Break)                      | 290           | %                 | ASTM D638   |
| Hardness  | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec, Hand Held) | 80            |                   | ASTM D2240  |
| Thermal   | Nominal Value | Unit              | Test Method |
| Continuous Use Temperature                      | 105           | °C                | ASTM D794   |
| Brittleness Temperature                         | -36.0         | °C                | ASTM D746   |
| Flammability                                    | Nominal Value | Unit              | Test Method |
| Oxygen Index                                    | 28            | %                 | ASTM D2863  |

### Additional Information

Data Sheet Applies to Color Listed Below:  
Natural (1014273)

3/22-lc

### Notes

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