

# Geon™ Vinyl Rigid Extrusion 06935L

Rigid Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Rigid Extrusion 06935L is designed for extruders running at colder temperatures.

| General Information                                              |                         |                   |             |
|------------------------------------------------------------------|-------------------------|-------------------|-------------|
| UL YellowCard                                                    | E41877-234147           |                   |             |
| Features                                                         | Impact resistance, good |                   |             |
|                                                                  | Good UV resistance      |                   |             |
|                                                                  | Good weather resistance |                   |             |
| Agency Ratings                                                   | CSA A440-M90            |                   |             |
| Forms                                                            | Particle                |                   |             |
| Physical                                                         | Nominal Value           | Unit              | Test Method |
| Specific Gravity                                                 | 1.46                    | g/cm <sup>3</sup> | ASTM D792   |
| PVC Cell Classification                                          | 1-41434-33              |                   | ASTM D4216  |
| PVC Cell Classification                                          | 16354                   |                   | ASTM D1784  |
| Hardness                                                         | Nominal Value           | Unit              | Test Method |
| Durometer Hardness (Shore D, 15 sec)                             | 79                      |                   | ASTM D2240  |
| Mechanical                                                       | Nominal Value           | Unit              | Test Method |
| Tensile Modulus <sup>1</sup>                                     | 2990                    | MPa               | ASTM D638   |
| Tensile Strength <sup>2</sup> (Yield)                            | 41.4                    | MPa               | ASTM D638   |
| Flexural Modulus                                                 | 2910                    | MPa               | ASTM D790   |
| Flexural Strength                                                | 81.2                    | MPa               | ASTM D790   |
| Impact                                                           | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact                                              |                         |                   | ASTM D256A  |
| Transverse flow: 23°C, 3.18mm, molded                            | 1200                    | J/m               | ASTM D256A  |
| Flow: 23°C, 3.18mm, molded                                       | 1000                    | J/m               | ASTM D256A  |
| Drop Impact Resistance                                           |                         |                   | ASTM D4226  |
| 23°C <sup>3</sup>                                                | 48.9                    | J/cm              | ASTM D4226  |
| 23°C <sup>4</sup>                                                | 173                     | J/cm              | ASTM D4226  |
| Thermal                                                          | Nominal Value           | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 72.8                    | °C                | ASTM D648   |
| CLTE - Flow                                                      | 6.5E-5                  | cm/cm/°C          | ASTM D696   |
| Flammability                                                     | Nominal Value           |                   | Test Method |
| Flame Rating (0.9 mm, ALL)                                       | V-0                     |                   | UL 94       |
| Additional Information                                           | Nominal Value           |                   |             |
| Ease of Sizing                                                   | Excellent               |                   |             |

| Extrusion        | Nominal Value         | Unit |
|------------------|-----------------------|------|
| Melt Temperature | 182 - 193             | °C   |
| NOTE             |                       |      |
| 1.               | Type 1, 5.1 mm/min    |      |
| 2.               | Type 1, 5.1 mm/min    |      |
| 3.               | Program A, C.125 Dart |      |
| 4.               | Program B, C.125 Dart |      |

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