

# Geon™ Vinyl Rigid Extrusion L0189

Rigid Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Rigid Extrusion L0189 is a rigid PVC product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ The application areas of Vinyl Rigid Extrusion L0189 include water pipes/pipes/drinking water and engineering/industrial accessories. The main characteristics are: accessible food.

| General Information                                              |                             |                   |             |
|------------------------------------------------------------------|-----------------------------|-------------------|-------------|
| Features                                                         | Compliance of Food Exposure |                   |             |
| Uses                                                             | Piping system               |                   |             |
|                                                                  | Accessories                 |                   |             |
|                                                                  | Profile                     |                   |             |
| Agency Ratings                                                   | NSF 51                      |                   |             |
|                                                                  | NSF 61                      |                   |             |
| Appearance                                                       | Clear/transparent           |                   |             |
| Forms                                                            | Particle                    |                   |             |
| Processing Method                                                | Extrusion                   |                   |             |
| Physical                                                         | Nominal Value               | Unit              | Test Method |
| Specific Gravity                                                 | 1.33                        | g/cm <sup>3</sup> | ASTM D792   |
| PVC Cell Classification                                          | 16443                       |                   | ASTM D1784  |
| Hardness                                                         | Nominal Value               | Unit              | Test Method |
| Durometer Hardness (Shore D, 15 sec)                             | 84                          |                   | ASTM D2240  |
| Mechanical                                                       | Nominal Value               | Unit              | Test Method |
| Tensile Modulus <sup>1</sup>                                     | 2700                        | MPa               | ASTM D638   |
| Tensile Strength <sup>2</sup> (Yield)                            | 50.1                        | MPa               | ASTM D638   |
| Flexural Modulus                                                 | 2680                        | MPa               | ASTM D790   |
| Flexural Strength                                                | 82.7                        | MPa               | ASTM D790   |
| Impact                                                           | Nominal Value               | Unit              | Test Method |
| Notched Izod Impact                                              |                             |                   | ASTM D256A  |
| 23°C, 3.18mm, injection molding                                  | 1200                        | J/m               | ASTM D256A  |
| Transverse flow: 23°C, 3.18mm, molded                            | 110                         | J/m               | ASTM D256A  |
| Flow: 23°C, 3.18mm, molded                                       | 430                         | J/m               | ASTM D256A  |
| Drop Impact Resistance                                           |                             |                   | ASTM D4226  |
| 23°C <sup>3</sup>                                                | 67.6                        | J/cm              | ASTM D4226  |
| 23°C <sup>4</sup>                                                | 178                         | J/cm              | ASTM D4226  |
| Thermal                                                          | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 67.8                        | °C                | ASTM D648   |

|                                                                      |                             |          |           |
|----------------------------------------------------------------------|-----------------------------|----------|-----------|
| CLTE - Flow                                                          | 7.4E-5                      | cm/cm/°C | ASTM D696 |
| Additional Information                                               |                             |          |           |
| 注释:按特定颜色获取NSF清单.请联系普立万公司获取该产品已认证颜色的最新清单.注释:分档是采用注塑模制样品进行缺口摆锤冲击试验确定的. |                             |          |           |
| 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.                                                                   | Procedure A, C.125 Throwing |          |           |
| 4.                                                                   | Procedure B, C.125 Throwing |          |           |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

