

# Geon™ Vinyl Flexible SL9994

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible SL9994 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Construction Applications.

Characteristics include:

High Flow

Lubricated

| General Information                     |                     |                   |             |
|---|---------------------|-------------------|-------------|
| Additive                                | Biocide             |                   |             |
|   | Lubricant           |                   |             |
| Features                                | High Flow           |                   |             |
|   | Lubricated          |                   |             |
| Uses                                    | Flooring            |                   |             |
| Forms                                   | Pellets             |                   |             |
| Processing Method                       | Extrusion           |                   |             |
|   | Injection Molding   |                   |             |
| Physical                                | Nominal Value       | Unit              | Test Method |
| Specific Gravity                        | 1.30                | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                | Nominal Value       | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)    | 86                  |                   | ASTM D2240  |
| Mechanical                              | Nominal Value       | Unit              | Test Method |
| Tensile Strength <sup>1</sup>           |                     |                   | ASTM D638   |
| Break                                   | 20.3                | MPa               |             |
| 100% Strain                             | 14.5                | MPa               |             |
| Tensile Elongation <sup>2</sup> (Break) | 250                 | %                 | ASTM D638   |
| Elastomers                              | Nominal Value       | Unit              | Test Method |
| Tear Strength <sup>3</sup>              | 87.6                | kN/m              | ASTM D624   |
| Thermal                                 | Nominal Value       | Unit              | Test Method |
| Brittleness Temperature                 | -31.1               | °C                | ASTM D746   |
| Injection                               | Nominal Value       | Unit              |             |
| Processing (Melt) Temp                  | 199 to 204          | °C                |             |
| Extrusion                               | Nominal Value       | Unit              |             |
| Melt Temperature                        | 193 to 199          | °C                |             |
| NOTE                                    |                     |                   |             |
| 1.                                      | Type IV, 510 mm/min |                   |             |

|    |                     |
|----|---------------------|
| 2. | Type IV, 510 mm/min |
| 3. | Die C, 510 mm/min   |

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