



## Geon™ Vinyl Flexible A75G0

### Flexible Polyvinyl Chloride

#### Key Characteristics

| Product Description    |                                          |                             |                 |
|------------------------|------------------------------------------|-----------------------------|-----------------|
| Interior applications. |                                          |                             |                 |
| General                |                                          |                             |                 |
| Material Status        | • Commercial: Active                     |                             |                 |
| Regional Availability  | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features               | • General Purpose<br>• Low Gloss         |                             |                 |
| Uses                   | • General Purpose                        |                             |                 |
| Appearance             | • Clear/Transparent                      |                             |                 |
| Forms                  | • Pellets                                |                             |                 |
| Processing Method      | • Extrusion                              | • Injection Molding         |                 |

#### Technical Properties <sup>1</sup>

| Physical                                    | Typical Value (English) | Typical Value (SI) | Test Method |
|---------------------------------------------|-------------------------|--------------------|-------------|
| Specific Gravity                            | 1.19                    | 1.19               | ASTM D792   |
| Molding Shrinkage - Flow                    | 0.019 to 0.023 in/in    | 1.9 to 2.3 %       | ASTM D955   |
| Mechanical                                  | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength <sup>2</sup> (100% Strain) | 730 psi                 | 5.03 MPa           | ASTM D638   |
| Tensile Strength <sup>2</sup> (Break)       | 1800 psi                | 12.4 MPa           | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)     | 420 %                   | 420 %              | ASTM D638   |
| Elastomers                                  | Typical Value (English) | Typical Value (SI) | Test Method |
| Tear Strength <sup>3</sup>                  | 280 lbf/in              | 49.0 kN/m          | ASTM D624   |
| Compression Set (73°F (23°C), 22 hr)        | 30 %                    | 30 %               | ASTM D395   |
| Clash-Berg Modulus                          |                         |                    | ASTM D1043  |
| --                                          | 14300 psi               | 98.6 MPa           |             |
| -52°F (-47°C)                               | 45000 psi               | 310 MPa            |             |
| Hardness                                    | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness                          |                         |                    | ASTM D2240  |
| Shore A                                     | 75                      | 75                 |             |
| Shore A, 15 sec                             | 67                      | 67                 |             |
| Thermal                                     | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature                     | -52.0 °F                | -46.7 °C           | ASTM D746   |

#### Processing Information

| Injection              | Typical Value (English) | Typical Value (SI) |
|------------------------|-------------------------|--------------------|
| Processing (Melt) Temp | 380 to 400 °F           | 193 to 204 °C      |
| Extrusion              | Typical Value (English) | Typical Value (SI) |
| Melt Temperature       | 345 to 355 °F           | 174 to 179 °C      |

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 20 in/min (510 mm/min)

<sup>3</sup> Die C, 20 in/min (510 mm/min)

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