



Geon™ Vinyl Flexible A5DU0

Flexible Polyvinyl Chloride

Key Characteristics

| Product Description | |
|------------------------|---|
| Interior applications. | |
| General | |
| Material Status | • Commercial: Active |
| Regional Availability | • Africa & Middle East • Europe • Asia Pacific • Latin America • North America |
| Additive | • UV Stabilizer |
| Features | • General Purpose • High Gloss • UV Absorbing |
| Uses | • General Purpose |
| Appearance | • Clear/Transparent |
| Forms | • Pellets |
| Processing Method | • Profile Extrusion |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Specific Gravity | 1.28 | 1.28 | ASTM D792 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength ² (100% Strain) | 2200 psi | 15.2 MPa | ASTM D638 |
| Tensile Strength ² (Break) | 3000 psi | 20.7 MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 340 % | 340 % | ASTM D638 |
| Elastomers | Typical Value (English) | Typical Value (SI) | Test Method |
| Tear Strength ³ | 675 lbf/in | 118 kN/m | ASTM D624 |
| Clash-Berg Modulus | | | ASTM D1043 |
| -- | 116000 psi | 800 MPa | |
| 12°F (-11°C) | 45000 psi | 310 MPa | |
| Hardness | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 90 | 90 | |
| Shore D | 50 | 50 | |
| Shore D, 15 sec | 42 | 42 | |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature | -6.00 °F | -21.1 °C | ASTM D746 |

Processing Information

| Extrusion | Typical Value (English) | Typical Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 355 to 375 °F | 179 to 191 °C |

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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