



Geon™ HTX Ultra LA426G Black 2880

Polyvinyl Chloride Alloy

Key Characteristics

| Product Description | |
|--|---|
| Higher gloss version of Geon HTX Ultra LA426 | |
| General | |
| Material Status | • Commercial: Active |
| Regional Availability | • Africa & Middle East • Europe • Asia Pacific • Latin America • North America |
| Features | • High Impact Resistance • High Stiffness |
| Uses | • Capstock • Outdoor Applications • Profiles |
| Forms | • Cube • Pellets |
| Processing Method | • Extrusion |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|----------------------------------|------------------------|-------------|
| Specific Gravity | 1.21 | 1.21 | ASTM D792 |
| PVC Cell Classification | 431311640000 | 431311640000 | ASTM D4216 |
| PVC Cell Classification | 13225 | 13225 | ASTM D1784 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Modulus ² | 289000 psi | 1990 MPa | ASTM D638 |
| Tensile Strength ² (Yield) | 5190 psi | 35.8 MPa | ASTM D638 |
| Flexural Modulus | 288000 psi | 1990 MPa | ASTM D790 |
| Flexural Strength | 9060 psi | 62.5 MPa | ASTM D790 |
| Impact | Typical Value (English) | Typical Value (SI) | Test Method |
| Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Compression Molded | 4.4 ft·lb/in | 230 J/m | ASTM D256A |
| Drop Impact Resistance 73°F (23°C) ³ 73°F (23°C) ⁴ | 1.16 in·lb/mil 2.10 in·lb/mil | 51.6 J/cm 93.4 J/cm | ASTM D4226 |
| Hardness | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness (Shore D, 15 sec) | 74 | 74 | ASTM D2240 |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm) | 190 °F | 87.8 °C | ASTM D648 |
| Deflection Temperature Under Load 66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm) | 192 °F | 88.9 °C | ASTM D648 |
| Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm) | 185 °F | 85.0 °C | ASTM D648 |
| Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm) | 187 °F | 86.1 °C | ASTM D648 |
| CLTE - Flow | 4.7E-5 in/in/°F | 8.4E-5 cm/cm/°C | ASTM D696 |

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| Additional Information | Typical Value (English) | Typical Value (SI) |
|---|-------------------------|--------------------|
| Ease of Sizing | Acceptable | Acceptable |
| Recommend drying material for a minimum of 2 hours at 160 degrees Fahrenheit. | | |
| Physical properties measured on LA426G Black 2880. | | |

Processing Information

| Extrusion | Typical Value (English) | Typical Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 345 to 380 °F | 174 to 193 °C |

Notes

- ¹ Typical values are not to be construed as specifications.
- ² Type I, 0.20 in/min (5.1 mm/min)
- ³ Procedure A, C.125 Dart
- ⁴ Procedure B, C.125 Dart

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