



# Geon™ HTX Ultra LA426 Gray 2382

## Polyvinyl Chloride Alloy

### Key Characteristics

Product Description	
Optimum for Black and Darker Colors between 50 and 70 L value. Also suitable for colors above 70 L value.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• High Impact Resistance • High Stiffness
Uses	• Outdoor Applications • Profiles
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.25	1.25	ASTM D792
PVC Cell Classification	4-41410-64-0000	4-41410-64-0000	ASTM D4216
PVC Cell Classification	15215	15215	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	275000 psi	1900 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	5100 psi	35.2 MPa	ASTM D638
Flexural Modulus	277000 psi	1910 MPa	ASTM D790
Flexural Strength	8980 psi	61.9 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	14 ft·lb/in	720 J/m	ASTM D256A
Drop Impact Resistance 73°F (23°C) <sup>3</sup> 73°F (23°C) <sup>4</sup>	1.34 in·lb/mil 4.00 in·lb/mil	59.6 J/cm 178 J/cm	ASTM D4226
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	75	75	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)	194 °F	90.0 °C	ASTM D648
Deflection Temperature Under Load 66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	196 °F	91.1 °C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	182 °F	83.3 °C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	188 °F	86.7 °C	ASTM D648
CLTE - Flow	4.7E-5 in/in/°F	8.4E-5 cm/cm/°C	ASTM D696

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 based on Geon HTX Ultra LA426 Gray 2382		

**Processing Information**

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

**Notes**

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

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

<sup>3</sup> Procedure A, C.125 Dart

<sup>4</sup> Procedure B, C.125 Dart



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