



Geon™ HTX Ultra LA426C Black 2880

Polyvinyl Chloride Alloy

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • 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
Density / Specific Gravity	1.22	1.22	ASTM D792
PVC Cell Classification	44142143	44142143	ASTM D4216
PVC Cell Classification	15324	15324	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ² (77°F (25°C))	318000 psi	2190 MPa	ASTM D638
Tensile Strength ² (Yield, 77°F (25°C))	5890 psi	40.6 MPa	ASTM D638
Flexural Modulus ³ (73°F (23°C))	345000 psi	2380 MPa	ASTM D790
Flexural Strength ³ (73°F (23°C))	10500 psi	72.5 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	15 ft-lb/in	820 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) ⁴	3.00 in-lb/mil	133 J/cm	
73°F (23°C), 0.0800 in (2.03 mm) ⁵	1.47 in-lb/mil	65.4 J/cm	
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			ASTM D648A
66 psi (0.45 MPa), Unannealed, 0.126 in (3.20 mm), Injection Molded	180 °F	82.0 °C	
Deflection Temperature Under Load			ASTM D648A
66 psi (0.45 MPa), Annealed, 0.125 in (3.17 mm)	181 °F	83.0 °C	
Deflection Temperature Under Load			ASTM D648A
264 psi (1.8 MPa), Unannealed, 0.125 in (3.17 mm), Injection Molded	153 °F	67.0 °C	
Deflection Temperature Under Load			ASTM D648A
264 psi (1.8 MPa), Annealed, 0.125 in (3.17 mm), Injection Molded	167 °F	75.0 °C	
CLTE - Flow (73°F (23°C))	4.0E-5 in/in/°F	7.2E-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 measured on LA426C 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 0.50 in/min (13 mm/min)

⁴ Procedure B, C.125 Dart

⁵ Procedure A, C.125 Dart



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