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 • 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
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			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Compression Molded	4.4 ft·lb/in	230 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) [3]	1.16 in·lb/mil	51.6 J/cm	
73°F (23°C) [4]	2.10 in·lb/mil	93.4 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 D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	190 °F	87.8 °C	
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	192 °F	88.9 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	185 °F	85.0 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	187 °F	86.1 °C	
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 Farenheit.
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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