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 • Asia Pacific	• Europe • Latin America	• North America
Features	• High Impact Resistance	• High Stiffness	
Uses	• Outdoor Applications	• Profiles	
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
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 [2]	275000 psi	1900 MPa	ASTM D638
Tensile Strength [2] (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			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Compression Molded	14 ft·lb/in	720 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) [3]	1.34 in·lb/mil	59.6 J/cm	
73°F (23°C) [4]	4.00 in·lb/mil	178 J/cm	
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			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	194 °F	90.0 °C	
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	196 °F	91.1 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	182 °F	83.3 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	188 °F	86.7 °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 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

[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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