



Geon™ HTX LA550

Polyvinyl Chloride Alloy

Key Characteristics

Product Description	
Geon HTX LA550 is a PVC Alloy suitable for darker colors and horizontal applications.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• Good Weather Resistance • Medium Heat Resistance • High Gloss • Medium Impact Resistance
Uses	• Capstock • Outdoor Applications
Forms	• Cube
Processing Method	• Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.20	1.20	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	325000 psi	2240 MPa	ASTM D638
Tensile Strength ² (Yield)	6700 psi	46.2 MPa	ASTM D638
Flexural Modulus	330000 psi	2280 MPa	ASTM D790
Flexural Strength	9900 psi	68.3 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	2.3 ft·lb/in	120 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) ³	1.11 in·lb/mil	49.4 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)	81	81	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm) ⁵	183 °F	83.9 °C	
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm) ⁶	184 °F	84.4 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm) ⁵	171 °F	77.2 °C	
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm) ⁶	168 °F	75.6 °C	
CLTE - Flow	4.7E-5 in/in/°F	8.5E-5 cm/cm/°C	ASTM D696

Additional Information
Physical properties based on Geon HTX LA550 Brown 3566.

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Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	380 to 400 °F	193 to 204 °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
- ⁵ Annealed at 60 deg.C
- ⁶ Annealed at 50 deg.C

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