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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Weather Resistance • High Gloss	• Medium Heat Resistance • 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.

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

CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314

Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas
33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia
No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe
6 Giällewee
+352 269 050 35