

Geon™ HTX Ultra LA427Plus

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Geon™HTX Ultra LA427Plus is a polyvinyl chloride alloy (PVC alloy) product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: high rigidity.

General Information			
Features	Low CLTE		
	Rigidity, high		
Uses	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
PVC Cell Classification	4-20034-30-000		ASTM D4216
PVC Cell Classification	13355		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2990	MPa	ASTM D638
Tensile Strength ² (Yield)	45.0	MPa	ASTM D638
Flexural Modulus	2940	MPa	ASTM D790
Flexural Strength	80.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	80	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	13.3	J/cm	ASTM D4226
23°C ⁴	26.7	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	93.9	°C	ASTM D648
0.45 MPa, annealed, 3.18mm	95.0	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	86.1	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	88.9	°C	ASTM D648
CLTE - Flow	6.4E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Acceptable		
推荐在华氏160度下将材料干燥至少2小时.物理属性基于 Geon HTX Ultra LA427Plus Natural 0000			

Extrusion	Nominal Value	Unit
Melt Temperature	174 - 193	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Procedure A, C.125 Throwing	
4.	Procedure B, C.125 Throwing	

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