

Geon™ HTX Ultra LA425

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

It is most suitable for black and darker colors with color values lower than 50L.

General Information			
Features	Rigidity, high		
	Impact resistance, high		
	Good weather resistance		
Uses	Outdoor application		
	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
PVC Cell Classification	4-42411-64-0000		ASTM D4216
PVC Cell Classification	15225		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1990	MPa	ASTM D638
Tensile Strength ² (Yield)	37.9	MPa	ASTM D638
Flexural Modulus	2080	MPa	ASTM D790
Flexural Strength	66.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	720	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	66.7	J/cm	ASTM D4226
23°C ⁴	178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	90.6	°C	ASTM D648
0.45 MPa, annealed, 3.18mm	91.1	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	83.9	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	87.2	°C	ASTM D648
CLTE - Flow	8.6E-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.通过仪器化冲击测量的韧性/脆化转变5 deg.C 物理属性基于 Geon HTX Ultra LA425 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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