

Geon™ HTX E1502

Polyvinyl Chloride Alloy
PolyOne Corporation

Message:

VSI FLAMMABILITY:Burn Length (0.040 in Bar)ASTM D635 0* IN.Burn Time (0.040 in Bar) ASTM D635 0* Sec.*Extinguished before 25 MM starting ref mark.

General Information			
Features	Medium Heat Resistance		
	Medium Impact Resistance		
Uses	Building Materials		
	Siding Substrate		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
PVC Cell Classification	11445		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	2740	MPa	ASTM D638
Tensile Strength ² (Yield)	49.6	MPa	ASTM D638
Flexural Modulus	2770	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	34	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	67.6	J/cm	
23°C ⁴	68.9	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Annealed, 3.18 mm ⁵	88.9	°C	ASTM D648
0.45 MPa, Annealed, 3.18 mm ⁶	90.0	°C	ASTM D648
1.8 MPa, Annealed, 3.18 mm ⁷	84.4	°C	ASTM D648
CLTE - Flow	6.4E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	
Melt Temperature	193 to 204	°C	
NOTE			

1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	Procedure A, C.125 Dart
4.	Procedure B, C.125 Dart
5.	Annealed at 50 deg.C
6.	Annealed at 60 deg.C
7.	Annealed at 50 deg.C

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