

Geon™ HTX 92052

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Geon™ HTX 92052 is a Polyvinyl Chloride Alloy (PVC Alloy) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Outdoor Applications.

General Information			
Uses	Outdoor Applications		
	Profiles		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
PVC Cell Classification	4-22224-53-0000		ASTM D4216
PVC Cell Classification	13255		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2900	MPa	ASTM D638
Tensile Strength ² (Yield)	41.3	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	88	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	67.2	J/cm	
23°C ⁴	67.2	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	87.8	°C	
0.45 MPa, Annealed, 3.18 mm	91.7	°C	
1.8 MPa, Unannealed, 3.18 mm	81.1	°C	
1.8 MPa, Annealed, 3.18 mm	85.0	°C	
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Acceptable		
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 193	°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

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