

Geon™ HTX 66311

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Geon™ HTX 66311 is a Polyvinyl Chloride Alloy (PVC Alloy) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ HTX 66311 include outdoor applications and wire & cable.

Characteristics include:

- Flame Rated
- High Flow
- Impact Resistant

General Information			
UL YellowCard	E41877-234151		
Features	General Purpose		
	High Flow		
	Low Temperature Impact Resistance		
Uses	General Purpose		
	Telecommunications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Spiral Flow	86.4	cm	
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Outdoor Suitability (All Colors)	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2410	MPa	ASTM D638
Tensile Strength ² (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	69.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18 mm, Injection Molded	110	J/m	
23°C, 3.18 mm, Injection Molded	800	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	76.1	°C	
0.45 MPa, Annealed, 6.35 mm	82.2	°C	
1.8 MPa, Unannealed, 6.35 mm	72.2	°C	
1.8 MPa, Annealed, 6.35 mm	78.9	°C	

RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value	Test Method	
	V-0		

Flame Rating (1.47 mm, ALL)	5VA	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	202 to 210	°C	

NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		

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