

Geon™ HTX M6220

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Geon™ HTX M6220 is a Polyvinyl Chloride Alloy (PVC Alloy) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ HTX M6220 include appliances, business/office goods, construction applications, electrical/electronic applications and wire & cable.

Characteristics include:

- Flame Rated
- High Flow
- Impact Resistant

General Information			
UL YellowCard	E41877-233893		
Features	General Purpose		
	High Flow		
	Medium Impact Resistance		
Uses	Appliances		
	Business Equipment		
	Construction Applications		
	Electrical/Electronic Applications		
	General Purpose		
	Telecommunications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Spiral Flow	81.3	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2280	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Tensile Elongation ³ (Break)	28	%	ASTM D638
Flexural Modulus	2510	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18 mm, Injection Molded	160	J/m	
23°C, 3.18 mm, Injection Molded	270	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	81.1	°C	
0.45 MPa, Annealed, 6.35 mm	90.6	°C	
1.8 MPa, Unannealed, 6.35 mm	75.0	°C	
1.8 MPa, Annealed, 6.35 mm	87.2	°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 (1.50 mm, ALL)	5VA		UL 94
CSA Flammability ⁴			
1.47 mm	V-0		
1.55 mm	5VA		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	202 to 210	°C	
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		
4.	All Colors		

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