

Geon™ HTX M6215

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Geon™ HTX M6215 is a polyvinyl chloride alloy (PVC alloy) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ The application areas of HTX M6215 include the automotive industry, electrical/electronic applications, electrical appliances, wires and cables, and construction applications.

Features include:

flame retardant/rated flame

high liquidity

Impact resistance

General Information			
Features	High liquidity		
	General		
	Medium impact resistance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Architectural application field		
	Application in Automobile Field		
	Business equipment		
	Communication Equipment		
	General		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Spiral Flow	86.4	cm	
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2340	MPa	ASTM D638
Tensile Strength ² (Yield)	44.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	60	%	ASTM D638
Flexural Modulus	2390	MPa	ASTM D790
Flexural Strength	73.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18mm, injection molding	160	J/m	ASTM D256A
23°C, 3.18mm, injection molding	270	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.35mm	77.8	°C	ASTM D648
0.45 MPa, annealed, 6.35mm	87.2	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	72.8	°C	ASTM D648
1.8 MPa, annealed, 6.35mm	85.0	°C	ASTM D648
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI	50.0	°C	UL 746
Flammability	Nominal Value	Test Method	

V-0

Flame Rating (1.60 mm, ALL)

5VA

UL 94

Additional Information	Nominal Value
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5VA

CSA Flammability ⁴ (1.60 mm)

V-0

It is recommended that the compound pellets be dried for 3 to 4 hours at 150 deg. F.

Injection	Nominal Value	Unit
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Processing (Melt) Temp	202 - 210	°C
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NOTE

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|----|--------------------|
| 1. | Type 1, 5.1 mm/min |
| 2. | Type 1, 5.1 mm/min |
| 3. | Type 1, 5.1 mm/min |
| 4. | All colors |

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