

Geon™ HTX Ultra LA436G

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Higher gloss, wider processing window version of Geon HTX Ultra LA426G.

General Information			
UL YellowCard	E41877-102618768		
Features	Highlight		
	Impact resistance, high		
	Workability, good		
Uses	Outdoor application		
	Tread rubber		
	Profile		
Forms	Cube		
	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
PVC Cell Classification	441311640000		ASTM D4216
PVC Cell Classification	14215		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1920	MPa	ASTM D638
Tensile Strength ² (Yield)	36.0	MPa	ASTM D638
Flexural Modulus	2040	MPa	ASTM D790
Flexural Strength	58.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	490	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	52.0	J/cm	ASTM D4226
23°C ⁴	111	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	88.3	°C	ASTM D648

0.45 MPa, annealed, 3.18mm	87.8	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	81.1	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	85.0	°C	ASTM D648
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.75 mm, BK	HB		UL 94
3.0 mm, BK	HB		UL 94
Additional Information	Nominal Value		
Ease of Sizing	Acceptable		
Recommend drying material for a minimum of 2 hours at 160 degrees Farenheit.Physical properties measured on LA436G Black 2880. This version produces the highest gloss, higher impact and can be run at lower extruder temperatures than standard LA426G product.			
Extrusion	Nominal Value	Unit	
Melt Temperature	174 - 193	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		
3.	Program A, C.125 Dart		
4.	Program B, C.125 Dart		

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