

## PolyOne Geon™ HTX Ultra LA436G Black 2880 Polyvinyl Chloride Alloy (PVC Alloy)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Higher gloss, wider processing window version of Geon HTX Ultra LA426G. Recommend drying material for a minimum of 2 hours at 160 degrees Fahrenheit. 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. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-HTX-Ultra-LA436G-Black-2880-Polyvinyl-Chloride-Alloy-PVC-Alloy.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-HTX-Ultra-LA436G-Black-2880-Polyvinyl-Chloride-Alloy-PVC-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	15 sec; ASTM D2240
Tensile Strength, Yield	36.0 MPa	5220 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	1.92 GPa	278 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	58.7 MPa	8510 psi	ASTM D790
Flexural Modulus	2.04 GPa	296 ksi	ASTM D790
Izod Impact, Notched	4.90 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	9.18 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256A
Dart Drop Total Energy	52.0 J/cm @Temperature 23.0 °C	0.0974 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	111 J/cm @Temperature 23.0 °C	0.208 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	83.0 µm/m-°C	46.1 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C @Thickness 3.18 mm	190 °F @Thickness 0.125 in	Annealed; ASTM D648
	88.3 °C @Thickness 3.18 mm	191 °F @Thickness 0.125 in	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (204 psi)	81.1 °C	178 °F	ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	85.0 °C	185 °F	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 193 °C	345 - 379 °F	

Descriptive Properties	Value	Comments
Ease of Sizing	Acceptable	
Features	Good Processability	
	High Gloss	
	High Impact Resistance	
Forms	Cube	
	Pellets	
Generic Material	PVC Alloy	
Generic Name	Polyvinyl Chloride Alloy (PVC Alloy)	
Processing Method	Extrusion	
PVC Cell Classification	14215	ASTM D1784
	441311640000	ASTM D4216
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Capstock	
	Outdoor Applications	
	Profiles	

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