

## PolyOne Geon™ Vinyl Dry Blend E6530 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

### Material Notes:

Interior application for thick & thin gauge profile application. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Dry-Blend-E6530-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Dry-Blend-E6530-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D1638

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	ASTM D2240
Tensile Strength, Yield	45.9 MPa	6660 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.68 GPa	389 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	84.1 MPa	12200 psi	ASTM D790
Flexural Modulus	2.88 GPa	418 ksi	ASTM D790
Izod Impact, Unnotched	0.700 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.31 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256
Dart Drop Total Energy	53.8 J/cm @Temperature 23.0 °C	0.101 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	102 J/cm @Temperature 23.0 °C	0.191 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	67.0 µm/m-°C	37.2 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C @Thickness 3.18 mm	165 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 204 °C	376 - 399 °F	

Descriptive Properties	Value	Comments
Features	Low Gloss	
	Medium Impact Resistance	
Forms	Powder	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
	Profile Extrusion	
PVC Cell Classification	12344	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Interior Parts	
	Profiles	

## Contact Songhan Plastic Technology Co.,Ltd.

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