



# Geon™ Vinyl Dry Blend E6530

## Rigid Polyvinyl Chloride

### Key Characteristics

Product Description	
Interior application for thick & thin gauge profile application.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• Low Gloss • Medium Impact Resistance
Uses	• Automotive Interior Parts • Profiles
Forms	• Powder
Processing Method	• Extrusion • Profile Extrusion

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.39	1.39	ASTM D1638
PVC Cell Classification	12344	12344	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	388000 psi	2680 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	6660 psi	45.9 MPa	ASTM D638
Flexural Modulus	417000 psi	2880 MPa	ASTM D790
Flexural Strength	12200 psi	84.1 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Unnotched Izod Impact <sup>3</sup>			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	1.3 ft·lb/in	70 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) <sup>4</sup>	1.21 in·lb/mil	53.8 J/cm	
73°F (23°C) <sup>5</sup>	2.30 in·lb/mil	102 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	81	81	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	165 °F	74.0 °C	
CLTE - Flow	3.7E-5 in/in/°F	6.7E-5 cm/cm/°C	ASTM D696
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	V-0	V-0	UL 94

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	375 to 400 °F	191 to 204 °C

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**Notes**

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

<sup>3</sup> Compression Molded

<sup>4</sup> Procedure A, C.125 Dart

<sup>5</sup> Procedure B, C.125 Dart

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