

Geon™ Vinyl Dry Blend E6530

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Internal application, used as thickness measuring instrument profile.

General Information	
UL YellowCard	E41877-234245
Features	Gloss, low
	Medium impact resistance
Uses	Car interior parts
	Profile
Forms	Powder
Processing Method	Extrusion
	Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D1638
PVC Cell Classification	12344		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2680	MPa	ASTM D638
Tensile Strength ² (Yield)	45.9	MPa	ASTM D638
Flexural Modulus	2880	MPa	ASTM D790
Flexural Strength	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact ³ (23°C, 3.18 mm)	70	J/m	ASTM D256
Drop Impact Resistance			ASTM D4226
23°C ⁴	53.8	J/cm	ASTM D4226
23°C ⁵	102	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	74.0	°C	ASTM D648
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Extrusion	Nominal Value	Unit	

Melt Temperature	191 - 204	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Molding	
4.	Procedure A, C.125 Throwing	
5.	Procedure B, C.125 Throwing	

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