

Geon™ Vinyl Dry Blend E7130

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Dry Blend E7130 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Dry Blend E7130 include construction applications and outdoor applications. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Uses	Building Materials		
	Fencing & Decking		
	Outdoor Applications		
Forms	Powder		
Processing Method	Extrusion		
	Profile Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
PVC Cell Classification	1-42444-33-0101		ASTM D4216
PVC Cell Classification	16354		ASTM D1784

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2970	MPa	ASTM D638
Tensile Strength ² (Yield)	47.2	MPa	ASTM D638
Flexural Modulus	2910	MPa	ASTM D790
Flexural Strength	87.4	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact - Across Flow (23°C, 3.18 mm, Compression Molded)	1200	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	71.2	J/cm	
23°C ⁴	156	J/cm	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	73.9	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696

Additional Information	Nominal Value	Test Method
AAMA 303	Pass	ASTM D4726

Extrusion	Nominal Value	Unit
Melt Temperature	193 to 204	°C
NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	
3.	Procedure A, C.125 Dart	
4.	Procedure B, C.125 Dart	

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