



Geon™ Vinyl Dry Blend E7130

PolyOne Corporation - Rigid Polyvinyl Chloride

2/15/2012

General Information

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• High Impact Resistance		
Uses	• Building Materials	• Fencing & Decking	• Outdoor Applications
Forms	• Powder		
Processing Method	• Extrusion	• Profile Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45		ASTM D792
PVC Cell Classification	1-42444-33-0101		ASTM D4216
PVC Cell Classification	16354		ASTM D1784
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	430000	psi	ASTM D638
Tensile Strength ² (Yield)	6850	psi	ASTM D638
Flexural Modulus	422000	psi	ASTM D790
Flexural Strength	12700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact - Across Flow 73°F, 0.125 in, Compression Molded	23	ft-lb/in	ASTM D256A
Drop Impact Resistance 73°F ³	1.60	in-lb/mil	ASTM D4226
73°F ⁴	3.50	in-lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, 0.125 in	165	°F	ASTM D648
CLTE - Flow	0.000036	in/in/°F	ASTM D696
Additional Information	Nominal Value	Unit	Test Method
AAMA 303	Pass		ASTM D4726

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	380 to 400	°F

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Notes

¹ Typical properties: these are not to be construed as specifications.

² Type I, 0.20 in/min

³ Procedure A, C.125 Dart

⁴ Procedure B, C.125 Dart