

Geon™ Vinyl Dry Blend E7456

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Dry Blend E7456 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 E7456 include construction applications and outdoor applications.

Characteristics include:

Flame Rated

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	1.46	g/cm ³	ASTM D792
PVC Cell Classification	1-42444-33-1141		ASTM D4216
PVC Cell Classification	16364		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3090	MPa	ASTM D638
Tensile Strength ² (Yield)	47.9	MPa	ASTM D638
Flexural Modulus	2880	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	1300	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	71.2	J/cm	
23°C ⁴	178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	71.0	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696

Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94
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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