

Geon™ Vinyl Dry Blend E7857

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Dry Blend E7857 is a rigid PVC product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™The application areas of Vinyl Dry Blend E7857 include outdoor applications and architectural applications. Features include:
Impact resistance
good weather resistance

General Information			
Features	Impact resistance, high		
	Good weather resistance		
Uses	Doors and Windows		
	Outdoor application		
	Profile		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
PVC Cell Classification	1-41432-33		ASTM D4216
PVC Cell Classification	16334		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2450	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	77.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1300	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	200	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	220	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	53.4	J/cm	ASTM D4226
23°C ⁴	187	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	72.8	°C	ASTM D648

CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Good		
注释:分档是采用注塑模制样品进行缺口摆锤冲击试验确定的.			
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 193	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		
3.	Procedure A, C.125 Throwing		
4.	Procedure B, C.125 Throwing		

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