

Geon™ Vinyl Dry Blend E1501

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

VSI FLAMMABILITY:Burn Length (0.040 in Bar)ASTM D635 0* IN.Burn Time (0.040 in Bar) ASTM D635 0* Sec.*Extinguished before 25 MM starting ref mark.

General Information			
UL YellowCard	E41877-587787		
Features	Good Thermal Stability		
	Impact Modified		
Uses	Siding Substrate		
Agency Ratings	NSF 51 3		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
PVC Cell Classification	16354		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2950	MPa	ASTM D638
Tensile Strength ² (Yield)	41.6	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18 mm, Compression Molded	85	J/m	
23°C, 3.18 mm, Compression Molded	520	J/m	
Drop Impact Resistance			ASTM D4226
23°C ³	84.5	J/cm	
23°C ⁴	178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (1.8 MPa, Annealed, 3.18 mm, Compression Molded)	73.9	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
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
5.	annealed at 50 deg.C

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