

Geon™ Vinyl Dry Blend E3363

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon E3363 is suitable for darker colors above a 60 L value. Not recommended for horizontal applications such as railing and decking except in white.

General Information			
Features	Good color stability		
	Medium impact resistance		
Uses	Outdoor application		
	Profile		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
PVC Cell Classification	1-22443-43-0000		ASTM D4216
PVC Cell Classification	13344		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2630	MPa	ASTM D638
Tensile Strength ² (Yield)	47.9	MPa	ASTM D638
Flexural Modulus	2950	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)	95	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C	88.5	J/cm	ASTM D4226
23°C ³	122	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed, 3.18mm ⁴	78.3	°C	ASTM D648
0.45 MPa, annealed, 3.18mm ⁵	76.4	°C	ASTM D648
1.8 MPa, annealed, 3.18mm, molded ⁶	80.2	°C	ASTM D648
1.8 MPa, annealed, 3.18mm, molded ⁷	77.0	°C	ASTM D648
CLTE - Flow	6.4E-5	cm/cm/°C	ASTM D696
Additional Information			

Physical properties based on Geon E3363 gray 2581 production sample.

Extrusion	Nominal Value	Unit
Melt Temperature	193 - 204	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Procedure B, C.125 Throwing	
4.	Annealed at 60 deg.C	
5.	Annealed at 50 deg.C	
6.	Annealed at 60. deg.C	
7.	Annealed at 50 deg.C	

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