

Geon™ Vinyl Rigid Extrusion L4536

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L4536 is a Rigid Polyvinyl Chloride product. It can be processed by coextrusion or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Rigid Extrusion L4536 include capstock, construction applications and outdoor applications.

General Information			
Uses	Capstock		
	Fencing & Decking		
	Outdoor Applications		
	Profiles		
Forms	Cube		
Processing Method	Coextrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
PVC Cell Classification	12454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2880	MPa	ASTM D638
Tensile Strength ² (Yield)	53.2	MPa	ASTM D638
Flexural Modulus	3030	MPa	ASTM D790
Flexural Strength	98.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	41	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	85.4	J/cm	
23°C ⁴	85.4	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	79.8	°C	
0.45 MPa, Annealed	79.1	°C	
1.8 MPa, Unannealed, 3.18 mm	73.3	°C	
1.8 MPa, Annealed	76.6	°C	
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696

Optical	Nominal Value	Test Method
Gloss (60°)	60	ASTM D2457
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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