

Geon™ Vinyl Rigid Extrusion 87736

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 87736 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Capstock.

General Information			
Uses	Capstock		
	Profiles		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2780	MPa	ASTM D638
Tensile Strength ² (Yield)	52.2	MPa	ASTM D638
Flexural Modulus	2990	MPa	ASTM D790
Flexural Strength	92.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	53	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	48.9	J/cm	
23°C ⁴	160	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	65.6	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 193	°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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