

Geon™ Vinyl Rigid Extrusion 6935

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 6935 is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Good UV Resistance

Good Weather Resistance

Impact Resistant

General Information			
Features	Good Impact Resistance		
	Good UV Resistance		
	Good Weather Resistance		
Agency Ratings	CSA A440-M90		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm³	ASTM D792
PVC Cell Classification	1-41434-33		ASTM D4216
PVC Cell Classification	16354		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2990	MPa	ASTM D638
Tensile Strength ² (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2910	MPa	ASTM D790
Flexural Strength	81.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
Across Flow : 23°C, 3.18 mm, Compression Molded	1200	J/m	
Flow : 23°C, 3.18 mm, Compression Molded	1000	J/m	
Drop Impact Resistance			ASTM D4226
23°C ³	48.9	J/cm	
23°C ⁴	173	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	72.8	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696

Flammability	Nominal Value		Test Method
Flame Rating (0.899 mm, ALL)	V-0		UL 94
Additional Information	Nominal Value		
Ease of Sizing	Excellent		
Extrusion	Nominal Value	Unit	
Melt Temperature	182 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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