

Geon™ Vinyl Rigid Extrusion 87566

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 87566 is a rigid polyvinyl chloride product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
Features	UV absorption		
Uses	General		
	Profile		
Appearance	Clear/transparent		
Forms	Particle		
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)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2550	MPa	ASTM D638
Tensile Strength ² (Yield)	49.6	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	130	J/m	ASTM D256A
Drop Impact Resistance	51.4	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, annealed, 3.18mm ³	71.1	°C	ASTM D648A
0.45 MPa, annealed, 3.18mm ⁴	74.3	°C	ASTM D648A
1.8 MPa, annealing, 3.18mm, injection molding ⁵	69.1	°C	ASTM D648A
1.8 MPa, annealing, 3.18mm, injection molding ⁶	72.2	°C	ASTM D648A
CLTE - Flow (-30 to 30°C, mm)	6.8E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 193	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

3.	Annealed at 122 degree F (50 degree C)
4.	Annealed at 140 degree F (60 degree C)
5.	Annealed at 122 degree F (50 degree C)
6.	Annealed at 140 degree F (60 degree C)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

