

Geon™ Vinyl Rigid Extrusion L6181

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L6181 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. Primary characteristic: impact resistant.

General Information			
Features	General Purpose		
	High Impact Resistance		
Uses	General Purpose		
	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
PVC Cell Classification	16364		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3300	MPa	ASTM D638
Tensile Strength ² (Yield)	44.7	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	83.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18 mm, Injection Molded	1200	J/m	
Across Flow : 23°C, 3.18 mm, Compression Molded	190	J/m	
Flow : 23°C, 3.18 mm, Compression Molded	200	J/m	
Drop Impact Resistance			ASTM D4226
23°C ³	64.9	J/cm	
23°C ⁴	159	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	70.0	°C	ASTM D648
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		

Ease of Sizing	Good	
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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT