

Geon™ Vinyl Rigid Extrusion 8700A

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 8700A is a rigid PVC product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ The application areas of Vinyl Rigid Extrusion 8700A include the automotive industry and water pipes/pipes/drinking water.

Features include:

flame retardant/rated flame

Good dimensional stability

General Information			
Features	Good dimensional stability		
	Good melt strength		
	General		
Uses	Application in Automobile Field		
	General		
	Profile		
	Decorative tape molding		
Agency Ratings	NSF 51		
	NSF 61		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
PVC Cell Classification	16344		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Durometer Hardness (Shore D, 15 sec)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2690	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Compressive Strength	55.8	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18mm, molded	59	J/m	ASTM D256A
0°C, 3.18mm, molded	85	J/m	ASTM D256A

23°C, 3.18mm, molded	910	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	35.6	J/cm	ASTM D4226
23°C ⁴	35.6	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	72.8	°C	ASTM D648
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	27	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	3.90		ASTM D150
1 kHz	3.30		ASTM D150
Dissipation Factor ⁵			ASTM D150
30°C, 60 Hz	0.029		ASTM D150
30°C, 1 kHz	0.040		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.711mm, all	V-0		UL 94
1.50mm, all	5VA		UL 94
CSA Flammability ⁶ (870.0 µm)	V-0		
Ease of Sizing	Excellent		
Additional Information	Nominal Value		
注释:汽车OEM认证.注释:按特定颜色获取NSF清单.请联系普立万公司获取该产品已认证颜色的最新清单.注释:分档是采用注塑模制样品进行缺口摆锤冲击试验确定的.			
Extrusion	Nominal Value	Unit	
Melt Temperature	179 - 182	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		
3.	Procedure A, C.125 Throwing		
4.	Procedure B, C.125 Throwing		
5.	24 hours		
6.	All colors		

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

