

Geon™ Vinyl Rigid Extrusion 8700X

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 8700X 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 8700X include the automotive industry and water pipes/pipes/drinking water.

Features include:

flame retardant/rated flame

Good dimensional stability

General Information			
UL YellowCard	E41877-234181		
Features	Good dimensional stability		
	Good melt strength		
Uses	Application in Automobile Field		
	Profile		
	Decorative tape molding		
Agency Ratings	NSF 51		
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
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2480	MPa	ASTM D638
Tensile Strength ² (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1100	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	1100	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	1000	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	53.4	J/cm	ASTM D4226
23°C ⁴	53.4	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	73.3	°C	ASTM D648
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.749mm, all	V-0		UL 94
1.90mm, all	5VA		UL 94
CSA Flammability ⁵			
919.5 µm	V-0		
1.58 mm	5VA		
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	182 - 193	°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.	All colors

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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

