

Geon™ Vinyl Rigid Extrusion 87350

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 87350 is a rigid polyvinyl chloride product. It can be processed by sheet extrusion molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: outdoor applications. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E41877-234191		
Features	General		
Uses	Outdoor application		
	General		
Forms	Particle		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
PVC Cell Classification	1-41332-23		ASTM D4216
PVC Cell Classification	15343		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2480	MPa	ASTM D638
Tensile Strength ² (Yield)	43.4	MPa	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	70.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	630	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	880	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	720	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	65.4	J/cm	ASTM D4226
23°C ⁴	130	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	67.8	°C	ASTM D648
CLTE - Flow	7.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94

0.899mm, all	V-0	UL 94
3.00mm, all	5VA	UL 94

Additional Information

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	188 - 204	°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

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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



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