

Geon™ Vinyl Rigid Extrusion L4067TM

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Custom molding

General Information			
Features	Anti-whiteness		
	Good weather resistance		
Uses	Decorative Railing		
	Doors and Windows		
	Tread rubber		
Appearance	Available colors		
Forms	Cube		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2230	MPa	ASTM D638
Tensile Strength ² (Yield)	31.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	55	%	ASTM D638
Flexural Modulus ⁴	2340	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Compression Molded)	27	J/m	ASTM D256
Drop Impact Resistance			ASTM D4226
23°C ⁶	59.2	J/cm	ASTM D4226
23°C ⁷	> 178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed, 3.18mm ⁸	60.7	°C	ASTM D648
1.8 MPa, annealed, 3.18mm ⁹	49.9	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Additional Information			
Physical properties based on Geon L4067TM LHB Black 2880. Not capable of meeting UL 94. May meet HB rating.			
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.	Type 1, 5.1 mm/min	
4.	51 mm/min	
5.	51 mm/min	
6.	Procedure a, .125"	
7.	Procedure B, .125"	
8.	Conditioned at 50 deg.C	
9.	Annealed at 50 deg.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

