

Geon™ Fiberloc™ 80510

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Fiberloc™ 80510 is a Rigid Polyvinyl Chloride product filled with 10% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Fiberloc™ 80510 include appliances, business/office goods, construction applications and electrical/electronic applications.

Characteristics include:

Flame Rated

High Flow

General Information			
UL YellowCard	E41877-234159		
Filler / Reinforcement	Glass Fiber, 10% Filler by Weight		
Features	General Purpose		
	High Flow		
Uses	Appliances		
	Business Equipment		
	Construction Applications		
	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Spiral Flow	88.9	cm	
Molding Shrinkage - Flow	0.050 to 0.15	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4140	MPa	ASTM D638
Tensile Strength ² (Yield)	62.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	5.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Poisson's Ratio	0.44		ASTM E132
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	110	J/m	ASTM D256A
Unnotched Izod Impact ⁴ (23°C, 3.18 mm)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Annealed, 6.35 mm)	76.1	°C	ASTM D648
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value		Test Method
	V-0		
Flame Rating (1.47 mm, ALL)	5VA	UL 94	
Additional Information	Nominal Value		
	5VA		
CSA Flammability ⁵ (1.63 mm)	V-0		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 210	°C	
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		
4.	Injection Molded		
5.	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



WECHAT