

Geon™ Advex™ L6105 natural

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Advex™ L6105 natural is a Rigid Polyvinyl Chloride product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

High Stiffness

General Information			
Features	High Stiffness		
	Low CLTE		
Uses	General Purpose		
	Profiles		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
PVC Cell Classification	12474		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4720	MPa	ASTM D638
Tensile Strength ² (Yield)	54.8	MPa	ASTM D638
Flexural Modulus	4540	MPa	ASTM D790
Flexural Strength	95.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	43	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	53.4	J/cm	
23°C ⁴	53.4	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed ⁵	78.9	°C	
0.45 MPa, Annealed, 3.18 mm ⁶	77.2	°C	
1.8 MPa, Annealed ⁷	77.0	°C	
1.8 MPa, Annealed, 3.18 mm ⁸	73.9	°C	
CLTE - Flow	4.6E-5	cm/cm/°C	ASTM D696

Flammability	Nominal Value	Test Method
Flame Rating ⁹ (1.50 to 3.00 mm, natural)	V-0	UL 94
Extrusion	Nominal Value	Unit
Melt Temperature	182 to 193	°C
NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	
3.	Procedure A, C.125 Dart	
4.	Procedure B, C.125 Dart	
5.	Annealed at 60 deg.C	
6.	Annealed at 50 deg.C	
7.	Annealed at 60 deg.C	
8.	Annealed at 50 deg.C	
9.	Also capable of meeting 5VA flame rating.	

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

