

Geon™ Duracap™ L4605 Green 5765

Semi-Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Duracap™ L4605 Green 5765 is a Semi-Rigid Polyvinyl Chloride product. It can be processed by coextrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Duracap™ L4605 Green 5765 include capstock and outdoor applications.

General Information			
Features	Medium Gloss		
Uses	Capstock		
	Outdoor Applications		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1930	MPa	ASTM D638
Tensile Strength ² (Yield)	31.2	MPa	ASTM D638
Flexural Modulus ³	1910	MPa	ASTM D790
Flexural Strength ⁴ (Yield)	55.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	37	J/m	ASTM D256
Drop Impact Resistance			ASTM D4226
23°C, extruded profile ⁵	69.4	J/cm	
23°C ⁶	> 178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	42.8	°C	
0.45 MPa, Annealed, 3.18 mm	42.2	°C	
1.8 MPa, Unannealed, 3.18 mm	38.9	°C	
1.8 MPa, Annealed, 3.18 mm	36.1	°C	
CLTE - Flow	7.5E-5	cm/cm/°C	ASTM D696
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	5 to 30		ASTM D523
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182 to 193	°C	

NOTE	
1.	5.1 mm/min
2.	5.1 mm/min
3.	13 mm/min
4.	13 mm/min
5.	Procedure A, C.125
6.	Procedure B, C.125

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