



Geon™ Duracap™ L4605 Red 7640

Semi-Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Medium Gloss		
Uses	• Capstock	• Outdoor Applications	
Forms	• Pellets		
Processing Method	• Coextrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.40	1.40	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	264000 psi	1820 MPa	ASTM D638
Tensile Strength ² (Yield)	3450 psi	23.8 MPa	ASTM D638
Flexural Modulus ³	251000 psi	1730 MPa	ASTM D790
Flexural Strength ³ (Yield)	7360 psi	50.7 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm), Compression Molded	0.75 ft·lb/in	40 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C), extruded profile ⁴	1.58 in·lb/mil	70.3 J/cm	
73°F (23°C) ⁵	1.62 in·lb/mil	72.1 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	74	74	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	106 °F	41.1 °C	
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	111 °F	43.9 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	97.0 °F	36.1 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	97.0 °F	36.1 °C	
CLTE - Flow	4.1E-5 in/in/°F	7.3E-5 cm/cm/°C	ASTM D696
Optical	Typical Value (English)	Typical Value (SI)	Test Method
Gardner Gloss (60°)	5 to 30	5 to 30	ASTM D523

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Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	360 to 380 °F	182 to 193 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.20 in/min (5.1 mm/min)

³ 0.50 in/min (13 mm/min)

⁴ Procedure A, C.125

⁵ Procedure B, C.125

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