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
Density / 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**
Gloss (60°)	5 to 30	5 to 30	ASTM D523

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

PolyOne™

Beyond Polymers.

Better Business Solutions. SM