Geon™ Vinyl Rigid Extrusion LR840

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Recycled Content	• Yes		
Features	• General Purpose		
Uses	• Automotive Interior Parts	• General Purpose	
Forms	• Pellets		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.34	1.34	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [2]	340000 psi	2340 MPa	ASTM D638
Tensile Strength [3] (Yield)	5700 psi	39.3 MPa	ASTM D638
Tensile Elongation [3] (Break)	160 %	160 %	ASTM D638
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256A
0°F (-18°C), 0.125 in (3.18 mm), Injection Molded	3.0 ft·lb/in	160 J/m	
32°F (0°C), 0.125 in (3.18 mm), Injection Molded	14 ft·lb/in	750 J/m	
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	17 ft·lb/in	910 J/m	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D, 73°F (23°C))	> 80	> 80	ASTM D2240
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	155 °F	68.3 °C	

Notes

[1] Typical values are not to be construed as specifications.

[2] Type I, 0.20 in/min (5.1 mm/min)

[3] Type I, 2.0 in/min (51 mm/min)