

GEON® Rigid M1150

GEON Performance Solutions - Rigid Polyvinyl Chloride

Thursday, November 2, 2023

General Information

General			
Material Status	• Commercial: Active ¹		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Fittings		
Agency Ratings	• NSF STD-14	• NSF STD-61	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ²

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.39	1.39	ASTM D792
PVC Cell Classification	12454	12454	ASTM D1784
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus ³	400000 psi	2760 MPa	ASTM D638
Tensile Strength ³ (Yield)	7220 psi	49.8 MPa	ASTM D638
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	17 ft-lb/in	890 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	80	80	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.250 in (6.35 mm)	158 °F	70.1 °C	ASTM D648

Processing Information

Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	390 to 410 °F	199 to 210 °C

Notes

¹ RoHS compliant

² Typical properties: these are not to be construed as specifications.

³ Type I, 0.20 in/min (5.1 mm/min)