

## GEON<sup>®</sup> Rigid M1150

## GEON Performance Solutions - Rigid Polyvinyl Chloride

Thursday, November 2, 2023

General Information							
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Material Status	Commercial: Active <sup>1</sup>						
Availability	<ul><li> Africa &amp; Middle East</li><li> Asia Pacific</li></ul>	<ul><li>Europe</li><li>Latin America</li></ul>	North America				
Uses	Fittings						
Agency Ratings	NSF STD-14	NSF STD-61					
Forms	Pellets						
Processing Method	Injection Molding						

ASTM & ISO Properties <sup>2</sup>									
Physical	Nominal Value (English)		Nominal Value	Nominal Value (SI)					
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 <sup>3</sup>	400000	psi	2760	MPa	ASTM D638				
Tensile Strength <sup>3</sup> (Yield)	7220	psi	49.8	MPa	ASTM D638				
Impact	Nominal Value	(English)	Nominal Value	(SI)	Test Method				
Notched Izod Impact					ASTM D256A				
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	17	ft·lb/in	890	J/m					
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					ASTM D648				
264 psi (1.8 MPa), Annealed, 0.250 in (6.35 mm)	158	°F	70.1	°C					

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

## Notes

<sup>1</sup> RoHS compliant

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> Type I, 0.20 in/min (5.1 mm/min)

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