

Geon™ Vinyl Rigid Molding M4910 (USP CLASS VI for TRANS 9494 only)

Rigid Polyvinyl Chloride
PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding M4910 (USP CLASS VI for TRANS 9494 only) is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Medical/Healthcare. Primary characteristic: radiation (gamma) resistant.

General Information			
Features	Medium Flow		
	Radiation (Gamma) Resistant		
Agency Ratings	USP Class VI		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Spiral Flow	73.7	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2910	MPa	ASTM D638
Tensile Strength ² (Yield)	54.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	19	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	85.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18 mm, Injection Molded	53	J/m	
23°C, 3.18 mm, Injection Molded	80	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	67.8	°C	
0.45 MPa, Annealed, 6.35 mm	65.0	°C	
1.8 MPa, Unannealed, 6.35 mm	61.1	°C	
1.8 MPa, Annealed, 6.35 mm	62.2	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 204	°C	

NOTE

1.	Type I, 51 mm/min
2.	Type I, 51 mm/min
3.	Type I, 51 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

