

Alpha PVC 2212RSM-100 CLEAR 000X

Semi-Rigid Polyvinyl Chloride

AlphaGary

Message:

2212RSM-100 Clear 000X is a semirigid vinyl formulation for injection molding. The compound presents excellent flow characteristics, low processing temperatures, superior heat stability and easy mold release. 2212 RSM-100 Clear 000X has significant toughness, color stability and excellent resistance to gamma radiation. It is a popular standard of the medical industry for use in a variety of applications such as connectors, accessories to IV bags and extruded catheters. Representative samples of this compound family passed USP Class VI biocompatibility tests for medical devices.

General Information			
Features	Biocompatible		
	Good Color Stability		
	Good Mold Release		
	Good Thermal Stability		
	High Flow		
	Radiation Sterilizable		
Uses	Connectors		
	Medical/Healthcare Applications		
Agency Ratings	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29 to 1.33	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	77	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, 3.18 mm)	58 to 64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	462	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	30.8	MPa	
Break	30.6	MPa	
Tensile Elongation (Break)	220	%	ASTM D638
Flexural Modulus (3.18 mm)	724	MPa	ASTM D790
Flexural Strength (Yield)	29.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	27	J/m	ASTM D256

Injection	Nominal Value	Unit
Processing (Melt) Temp	171 to 177	°C

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

