

Alpha PVC 2232RSM-100 CLEAR 000X

Semi-Rigid Polyvinyl Chloride

AlphaGary

Message:

2232RSM-100 Clear 000X is a semi-rigid PVC, phthalate-free, gamma radiation resistant formulation produced from FDA sanctioned ingredients. This injection molding compound presents excellent flow characteristics, low processing temperature, superior heat stability and good mold release. 2232RSM-100 Clear 000X has been designed to meet U.S. Pharmacopeia Class VI and cytotoxicity requirements for medical devices.

General Information			
Features	Good Mold Release		
	Good Thermal Stability		
	High Flow		
	Radiation (Gamma) Resistant		
Agency Ratings	FDA Unspecified Rating		
	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/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	43	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, 3.18 mm)	57 to 63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	214	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 1.91 mm	26.2	MPa	
Break, 1.91 mm	25.5	MPa	
Tensile Elongation (Break, 1.91 mm)	250	%	ASTM D638
Flexural Modulus (3.18 mm)	379	MPa	ASTM D790
Flexural Strength (Yield)	9.65	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	166 to 177	°C	

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