

Alpha PVC 2212/S-110 CLEAR 0003

Semi-Rigid Polyvinyl Chloride

AlphaGary

Message:

2212/S-110 Clear 0003 is a DEHP-free, semi-rigid PVC formulation for injection molding. In molded form, the appearance and feel of 2212/S-110 Clear 0003 remarkably resembles cellulosic type products. The compound presents excellent flow characteristics, low processing temperatures, superior heat stability and good mold release. 2212/S-110 Clear 0003 has been designed to meet the U.S. Pharmacopeia Class VI and cytotoxicity requirements.

General Information			
Features	Good Mold Release		
	Good Thermal Stability		
	High Flow		
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	1.30 to 1.34	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	19	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	107 to 113		
Shore D, 10 sec, 3.18 mm	68 to 74		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	40.0	MPa	
Break	26.9	MPa	
Tensile Elongation (Break, 1.91 mm)	100	%	ASTM D638
Flexural Modulus (3.18 mm)	1650	MPa	ASTM D790
Flexural Strength (Yield)	51.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Injection	Nominal Value	Unit	
Processing (Melt) Temp	174 to 179	°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



WECHAT