

Alpha PVC 2222R-90 CLEAR 000X

Polyvinyl Chloride

AlphaGary

Message:

2222R-90 CLEAR 000X is produced from FDA sanctioned ingredients. It was especially developed for extrusion of sparkling clear medical tubing. This bluish-clear compound can be processed at relatively low operating temperatures. This material also shows exceptional resistance to radiation sterilization. 2222R-90 CLEAR 000X was designed in order to pass USP Class VI biocompatibility test for medical devices.

General Information			
Features	Biocompatible		
	Radiation Sterilizable		
Uses	Medical/Healthcare Applications		
	Tubing		
Agency Ratings	FDA Unspecified Rating		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear - Blue Tint		
	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24 to 1.28	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	87 to 93		
Shore A, 15 sec, 6.35 mm	86 to 92		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	17.4	MPa	ASTM D638
Tensile Strength (1.91 mm)	23.8	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	270	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-16.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Melt Temperature	166 to 177	°C	

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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



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