

Alpha PVC 2232A/R-80S CLEAR 0217

Flexible Polyvinyl Chloride

AlphaGary

Message:

2232A/R-80S Clear 0217 is a flexible PVC compound based on FDA sanctioned ingredients developed primarily for extruded medical tubing. 2232A/R-80S Clear 0217 is phthalate free with excellent low temperature brittleness and radiation resistance designed to pass the requirements of Class VI USP and cytotoxicity testing for medical devices.

General Information			
Features	Radiation (Gamma) Resistant		
Uses	Medical/Healthcare Applications Tubing		
Agency Ratings	FDA Unspecified Rating USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21 to 1.25	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	77 to 83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	9.14	MPa	ASTM D638
Tensile Strength (1.91 mm)	17.5	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	270	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	67.4	kN/m	ASTM D1004
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	143	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	171	°C	
Melt Temperature	166 to 177	°C	
Die Temperature	171	°C	
NOTE			

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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

