

Alpha PVC 2235LM-95 CLEAR 000X

Flexible Polyvinyl Chloride

AlphaGary

Message:

2235LM-95 Clear 000X is a unique, extraction resistant flexible vinyl compound with good elasticity, low temperature performance, and property retention after irradiation. Component extraction by lipids, polystyrene, polycarbonate or other fatty materials is extremely low. It was designed to meet the U.S. Pharmacopeia's Class VI and cytotoxicity requirements for biomedical devices.

General Information			
Features	Extraction Resistant		
	High Elasticity		
Uses	Medical/Healthcare Applications		
Agency Ratings	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26 to 1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	92 to 98		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	17.9	MPa	ASTM D638
Tensile Strength (1.91 mm)	21.4	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	230	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	91.1	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-5.00	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	
Cylinder Zone 5 Temp.	177	°C	
Adapter Temperature	177	°C	
Melt Temperature	179 to 185	°C	
Die Temperature	177	°C	
NOTE			

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Recommended distributors for this material

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