

Alpha PVC 2235L-75 CLEAR 030X

Flexible Polyvinyl Chloride

AlphaGary

Message:

2235L-75 CLEAR 030X is a 90C rated, unique, extraction resistant flexible vinyl compound with good elasticity, low temperature performance, and excellent color and property retention after irradiation. Component extraction by lipids, polystyrene, polycarbonate or other fatty materials is extremely low. Phthalate free, 2235L-75 CLEAR 030X was designed to meet USP Class VI and cytotoxicity testing for disposable medical devices

General Information			
Features	Extraction Resistant		
	Good Color Stability		
	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	1.21 to 1.25	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	72 to 78		
Shore A, 15 sec, 6.35 mm	70 to 76		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	7.34	MPa	ASTM D638
Tensile Strength (1.91 mm)	19.0	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	330	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	61.3	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	166	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	174	°C	
Melt Temperature	171 to 179	°C	

Die Temperature	174	°C
NOTE		

1.	Graves
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Recommended distributors for this material


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