

Alpha PVC 3032-95 CLEAR 0003

Flexible Polyvinyl Chloride

AlphaGary

Message:

3032-95 CLEAR 0003 is a flexible PVC compound produced with FDA sanctioned ingredients developed primarily for injection molding. 3032-95 CLEAR 0003 is phthalate free and designed to pass the requirements of Class VI USP and cytotoxicity testing for medical devices.

General Information			
Uses	Medical/Healthcare Applications		
Agency Ratings	FDA Unspecified Rating		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24 to 1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/20.0 kg)	6.3	g/10 min	ASTM D3364
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)	16.2	MPa	ASTM D638
Tensile Strength (1.91 mm)	21.4	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	260	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	83.2	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-24.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	171 to 182	°C	
NOTE			
1.	Graves		

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