

SuperKleen 2223-80 CLEAR 0003

Flexible Polyvinyl Chloride

AlphaGary

Message:

SK/2223-80 Clear 0003 is a SuperKleen, flexible PVC compound formulated with a unique non-DEHP, non-phthalate plasticizer system. This compound is ideally suited for the manufacture of infant products, food and beverage applications and medical devices where the presence of phthalates is undesirable. SK/2223-80 Clear 0003 was especially developed for medical tubing applications where clarity and gel-free performance are of paramount interest and it passed USP Class VI and cytotoxicity tests for biomedical devices.

General Information			
Features	High Clarity		
	Low Gel		
	Non-DEHP Plasticizer		
	Non-Phthalate Plasticizer		
Uses	Food Containers		
	Medical Devices		
	Tubing		
Agency Ratings	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	130	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	77 to 83		
Shore A, 15 sec, 6.35 mm	75 to 81		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	8.07	MPa	ASTM D638
Tensile Strength (1.91 mm)	19.7	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	330	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.0	°C	ASTM D746

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