SUPERKLEEN SK/2223-80 CLEAR 0003

Alphagary - Flexible Polyvinyl Chloride

General Information

Product Description

SK/2223-80 Clear 0003 is a SuperKleen, flexible PVC compound 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.

SUPERKLEEN series is formulated with a bio-based plasticizer.

General

Features	• Bio-Based Plasticizer • Biocompatible	• Good Clarity • Good Flexibility	• Non-Phthalate Plasticizer • Renewable Resource Content
Uses	• Medical/Healthcare Applications	• Non-specific Food Applications	• Tubing
Agency Ratings	• USP Class VI		
Appearance	• Clear/Transparent		
Processing Method	• Extrusion		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	130	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - 100% Secant (0.0750 in)	1170	psi	ASTM D638
Tensile Strength (0.0750 in)	2850	psi	ASTM D638
Tensile Elongation (Break, 0.0750 in)	330	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 0.125 in	80		
Shore A, 15 sec, 0.250 in	78		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-16.6	°F	ASTM D746

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	340	°F