

# SuperKleen 3003-85 CLEAR 0003

Flexible Polyvinyl Chloride

AlphaGary

Message:

SK/3003-85 Clear 0003 is a SuperKleen, flexible PVC compound formulated with a unique non-DEHP, non-phthalate plasticizer for the injection molding of infant products, food and beverage applications and medical devices where the presence of phthalates is undesirable. SK/3003-85 Clear 0003 has been formulated with FDA sanctioned ingredients in order to meet the Class VI USP and cytotoxicity requirements for medical devices.

General Information			
Features	Non-DEHP Plasticizer		
	Non-Phthalate Plasticizer		
Uses	Food Containers		
	Medical Devices		
Agency Ratings	FDA Unspecified Rating		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.27	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	260	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	82 to 88		
Shore A, 15 sec, 6.35 mm	80 to 86		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	9.17	MPa	ASTM D638
Tensile Strength (1.91 mm)	18.3	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	280	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>1</sup>	61.3	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
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	143	°C
Cylinder Zone 2 Temp.	160	°C
Cylinder Zone 3 Temp.	166	°C
Cylinder Zone 4 Temp.	171	°C
Cylinder Zone 5 Temp.	171	°C
Adapter Temperature	177	°C
Melt Temperature	171 to 182	°C
Die Temperature	177	°C
NOTE		

1. Graves

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

