

Alcoa KAMA 1500 Freezer Modified OPS (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

CapabilitiesGauge: .005' to .025" (126 to 635µm)Width: 12" to 62" (305 to 1575mm)Core Size: 6" standard cores, 3" and 8" availableRoll O.D.: 29" standard, up to 40" availableSilicone coating available5 strategic manufacturing locationsPropertiesRemarkable clarityExcellent stiffness to allow downgaugingSuperb yieldEasily thermoformedFDA compliant to CFR 21 #177.1640Kosher MaterialInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-1500-Freezer-Modified-OPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	
Thickness	127 - 635 microns	5.00 - 25.0 mil	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 - 41.4 MPa	4000 - 6000 psi	ASTM D638
Elongation at Break	20 - 60 %	20 - 60 %	ASTM D638
Tensile Modulus	2.07 - 2.41 GPa	300 - 350 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 °C	165 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	132 - 154 °C	270 - 310 °F	Thermoforming Temp

Descriptive Properties	Value	Comments
Resistance to Acid	Good to Excellent	
Resistance to Alcohols	Good to Excellent	
Resistance to Alkalis	Excellent	
Resistance to Fat, Grease, and Oil	Good	
Resistance to Hydrocarbon Solvents	Poor	

Resistance to Strong Oxidizers Descriptive Properties	Poor Value	Comments
Yield, in ² /lb/mil	26360	

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