

Alcoa KAMA 3202 Freezer Modified High Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

CapabilitiesGauge: .007" to .060" (178 to 1524µm)Width: 12" to 62" (304 to 1575mm)Core Size: 6" standard cores, 3" and 8" availableRoll O.D.: 29" standard, up to 40" availableColors availableSilicone coating5 strategic manufacturing locationsPropertiesExcellent choice for flash freeze, nitrogen tunnel applicationsGreat impact performanceForms easilyFDA compliant materialKosher materialInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-3202-Freezer-Modified-High-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	
Thickness	178 - 1520 microns	7.00 - 60.0 mil	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	10.3 - 27.6 MPa	1500 - 4000 psi	ASTM D638
Elongation at Break	50 - 125 %	50 - 125 %	ASTM D638
Flexural Modulus	1.03 - 1.72 GPa	150 - 250 ksi	ASTM D790
Izod Impact, Notched	>= 2.14 J/cm	>= 4.00 ft-lb/in	ASTM D265

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	71.1 °C	160 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	127 - 166 °C	260 - 330 °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 Descriptive Properties	Poor Value	Comments
Resistance to Strong Oxidizers	Poor	
Yield, in ² /lb/mil	26360	

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