

Alcoa KAMA 4100 Prime APET (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

CapabilitiesGauge: .007" to .050" (178 to 1270µm)Width: 12" to 48" (305 to 1219mm)Core size: 6" standard, 3" and 8" availableRoll O.D.: 29" standard, available up to 40"Available in clear, colored and tintedGraphic arts availableSilicone coating availableMedical grade material available4 strategic manufacturing locationsPropertiesExceptional clarity and impact performanceGood formability with great definitionFaster forming cycles than PVCExcellent strength for tough POP applications100% recyclableFDA accepted materialKosher materialFDA compliant to CFR 21 #177.1630Information provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-4100-Prime-APET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
Viscosity Measurement	>= 0.74	>= 0.74	Intrinsic Viscosity; ASTM D3835
Thickness	178 - 1270 microns	7.00 - 50.0 mil	
Linear Mold Shrinkage	0.020 - 0.050 cm/cm	0.020 - 0.050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.2 - 62.1 MPa	8000 - 9000 psi	ASTM D638
Elongation at Break	200 - 400 %	200 - 400 %	ASTM D638
Flexural Modulus	2.24 - 2.55 GPa	325 - 370 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	65.6 °C	150 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Optical Properties	Metric	English	Comments
Haze	<= 2.0 %	<= 2.0 %	ASTM D1003
Transmission, Visible	>= 90 %	>= 90 %	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	121 - 154 °C	250 - 310 °F	Thermoforming Temp

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Resistance to Acid	Good to Excellent	
Resistance to Alcohols	Good to Excellent	
Resistance to Alkalies	Fair to Good	
Resistance to Fat, Grease, and Oil	Good to Excellent	
Resistance to Hydrocarbon Solvents	Good to Excellent	
Resistance to Strong Oxidizers	Good to Excellent	
Yield, in ² /lb/mil	20810	

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