

Alcoa KAMA 4223 Impact Modified RPET (discontinued **)

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

Material Notes:

CapabilitiesGauge: .009" to .045" (229 to 1143 µm)Width: 12" to 48" (305 to 1219mm)Core size: 6" standard, 3" and 8" availableRoll O.D.: 29" standard, available up to 50"Silicone coatingClear, custom translucent and opaque colorsGloss and matte material available3 strategic manufacturing locationsPropertiesFor demanding application requiring good impact resistanceImpact modified for superior strengthIdeal for deep draw, heavier gauge applicationsExceptional clarityInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-4223-Impact-Modified-RPET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
Viscosity Measurement	>= 0.66	>= 0.66	Intrinsic Viscosity; ASTM D3835
Thickness	229 - 1140 microns	9.00 - 45.0 mil	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	57.2 - 61.4 MPa	8300 - 8900 psi	ASTM D638
Elongation at Break	3.0 - 5.0 %	3.0 - 5.0 %	ASTM D638
Flexural Modulus	2.41 - 2.55 GPa	350 - 370 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	71.1 °C	160 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	121 - 160 °C	250 - 320 °F	Thermoforming Temp

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

Resistance to Hydrocarbon Solvents Descriptive Properties	Good to Excellent Value	Comments
Resistance to Strong Oxidizers	Good to Excellent	
Yield, in ² /lb/mil	20810	

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