

Alcoa KAMA 5100 CPET (discontinued **)

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

Material Notes:

CapabilitiesGauge: .020" to .040" (508 to 106µm)Width: 20" to 52" (508 to 1321mm)Core size: 3" or 6"Roll O.D.: 29" standard, available up to 40"Silicone coating availableAvailable in natural blackPropertiesExcellent for dual-ovenable applicationsGood impact performanceIdeal for home meal replacement applicationsFDA compliant to CFR 21 #177.1630Kosher materialInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-5100-CPET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
Viscosity Measurement	0.78 - 0.85	0.78 - 0.85	Intrinsic Viscosity; ASTM D3835
Thickness	508 - 1020 microns	20.0 - 40.0 mil	
Linear Mold Shrinkage	0.010 - 0.018 cm/cm	0.010 - 0.018 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 - 62.1 MPa	5000 - 9000 psi	ASTM D638
Elongation at Break	100 - 400 %	100 - 400 %	ASTM D638
Flexural Modulus	2.07 - 2.76 GPa	300 - 400 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 °C	350 °F	
Minimum Service Temperature, Air	-12.2 °C	10.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	138 - 160 °C	280 - 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	Good to Excellent	

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

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