

## Alcoa KAMA 3100 Utility HIPS (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" availableSilicone treating available5 strategic manufacturing locations PropertiesNatural grade of high impact with colors availableCost effective solution for impact resistance and high volume applicationsCustom colors availableRecycled content for improved economicsInformation provided by Alcoa Kama Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Alcoa-KAMA-3100-Utility-HIPS-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Alcoa-KAMA-3100-Utility-HIPS-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 MPa	>= 1500 psi	ASTM D638
Elongation at Break	>= 30 %	>= 30 %	ASTM D638
Flexural Modulus	>= 1.31 GPa	>= 190 ksi	ASTM D790
Izod Impact, Notched	>= 1.07 J/cm	>= 2.00 ft-lb/in	ASTM D265

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 °C	165 °F	
Minimum Service Temperature, Air	-23.3 °C	-10.0 °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 <sup>2</sup> /lb/mil	26360	

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