

## Alcoa KAMA 3210 Hi-Gloss Coextruded 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" availableSilicone coating availableMedical grade availableGraphic arts available5 strategic manufacturing locationsPropertiesForms easilyHigh gloss cap layerFDA materialKosher materialInformation provided by Alcoa Kama Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Alcoa-KAMA-3210-Hi-Gloss-Coextruded-High-Impact-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Alcoa-KAMA-3210-Hi-Gloss-Coextruded-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	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	13.8 - 34.5 MPa	2000 - 5000 psi	ASTM D638
Elongation at Break	20 - 60 %	20 - 60 %	ASTM D638
Flexural Modulus	1.38 - 2.76 GPa	200 - 400 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 °C	165 °F	
Minimum Service Temperature, Air	-12.2 °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	Poor	

Resistance to Strong Oxidizers Descriptive Properties	Poor Value	Comments
Yield, in <sup>2</sup> /lb/mil	26360	

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