

Alcoa KAMA 1200 Utility Clear OPS, Sheet (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

CapabilitiesGauge: .005' to .025" (126 to 635µm)Width: 12" to 62" (305 to 1575mm)Core Size: 6" standard cores, 3" and 8" availableRoll O.D.: 29" standard, up to 40" availableSilicone coating available5 strategic manufacturing locationsPropertiesRemarkable clarityExcellent stiffness to allow downgaugingSuperb yieldEasily thermoformedFDA compliant to CFR 21 #177.1640Kosher MaterialInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-1200-Utility-Clear-OPS-Sheet-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------------|-----------------|-----------|
| Specific Gravity | 1.05 g/cc | 1.05 g/cc | |
| Thickness | 127 - 635 microns | 5.00 - 25.0 mil | |
| Linear Mold Shrinkage | 0.0050 cm/cm | 0.0050 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------------|------------------|-----------|
| Tensile Strength, Yield | 55.2 - 82.7 MPa | 8000 - 12000 psi | ASTM D638 |
| Elongation at Break | 3.0 - 10 % | 3.0 - 10 % | ASTM D638 |
| Tensile Modulus | 2.76 - 3.10 GPa | 400 - 450 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|---------|----------|
| Maximum Service Temperature, Air | 76.7 °C | 170 °F | |
| Minimum Service Temperature, Air | -6.67 °C | 20.0 °F | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------------------|
| Transmission, Visible | 90 % | 90 % | clear; thickness not quantified |

| Processing Properties | Metric | English | Comments |
|------------------------|--------------|--------------|--------------------|
| Processing Temperature | 132 - 154 °C | 270 - 310 °F | Thermoforming Temp |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------|----------|
| Resistance to Acid | Good to Excellent | |
| Resistance to Alcohols | Good to Excellent | |
| Resistance to Alkalis | Excellent | |

| Descriptive Properties | Value | Comments |
|------------------------------------|-------|----------|
| Resistance to Fat, Grease, and Oil | Poor | |
| Resistance to Hydrocarbon Solvents | Poor | |
| Resistance to Strong Oxidizers | Poor | |
| Yield, in ² /lb/mil | 26360 | |

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