

Alcoa KAMA SealPET™ 4205 RF Sealable 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 40"Silicone coating availableClear, custom translucent and opaque colors4 strategic manufacturing locationsPropertiesRF sealable material for complete perimeter sealSofter feel than standard PETExceptional clarityGlobally accepted materialExcellent toughness for demanding applicationsInformation provided by Alcoa Kama Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alcoa-KAMA-SealPET-4205-RF-Sealable-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 | 0.0020 - 0.0050 cm/cm | 0.0020 - 0.0050 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------------|-----------------|-----------|
| Tensile Strength, Yield | 51.7 - 58.6 MPa | 7500 - 8500 psi | ASTM D638 |
| Elongation at Break | 300 - 500 % | 300 - 500 % | ASTM D638 |
| Flexural Modulus | 2.41 - 2.55 GPa | 350 - 370 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 65.6 °C | 150 °F | |
| Minimum Service Temperature, Air | -17.8 °C | 0.000 °F | |

| Optical Properties | Metric | English | Comments |
|-----------------------|----------|----------|------------|
| Haze | <= 4.0 % | <= 4.0 % | ASTM D1003 |
| Transmission, Visible | >= 85 % | >= 85 % | ASTM D1003 |

| Processing Properties | Metric | English | Comments |
|------------------------|--------------|--------------|--------------------|
| Processing Temperature | 121 - 154 °C | 250 - 310 °F | Thermoforming Temp |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Clarity, % | >97 | |

| 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 | |
| Resistance to Strong Oxidizers | Good to Excellent | |
| Yield, in ² /lb/mil | 20810 | |

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