

# APICAL 200AF011

Thermoset Polyimide

Kaneka Corporation

Message:

APICAL 200AF011 is a Thermoset Polyimide material. It is available in North America.

Important attributes of APICAL 200AF011 are:

Flame Rated

Chemical Resistant

Flame Retardant

Good Sealability

Moisture Resistant

Typical application of APICAL 200AF011: Film

| General Information                               |                          |                   |             |
|---|--------------------------|-------------------|-------------|
| UL YellowCard                                     | E48854-241076            |                   |             |
| Features  | Flame Retardant          |                   |             |
|   | Good Chemical Resistance |                   |             |
|   | Good Heat Seal           |                   |             |
|   | Moisture Resistant       |                   |             |
| Uses  | Film                     |                   |             |
| Appearance  | Natural Color            |                   |             |
| Forms   | Sheet                    |                   |             |
| Physical  | Nominal Value            | Unit              | Test Method |
| Density   | 1.53                     | g/cm <sup>3</sup> | ASTM D1505  |
| Films   | Nominal Value            | Unit              | Test Method |
| Film Thickness - Tested                           | 51                       | μm                |             |
| Secant Modulus - 1% Secant, MD                    | 2790                     | MPa               | ASTM D882   |
| Tensile Strength - MD (Break)                     | 193                      | MPa               | ASTM D882   |
| Tensile Elongation - MD (Break)                   | 90                       | %                 | ASTM D882   |
| Elmendorf Tear Strength - MD                      | 24                       | g                 | ASTM D1922  |
| Thermal   | Nominal Value            | Unit              | Test Method |
| RTI Elec (0.0500 mm)                              | 240                      | °C                | UL 746      |
| RTI Str (0.0500 mm)                               | 210                      | °C                | UL 746      |
| Electrical  | Nominal Value            | Unit              | Test Method |
| Arc Resistance (0.0500 mm)                        | 90.0                     | sec               | ASTM D495   |
| Comparative Tracking Index (CTI) (0.0500 mm)      | 213                      | V                 | UL 746      |
| High Amp Arc Ignition (HAI) (0.0500 mm)           | 15.0                     |                   | UL 746      |
| High Voltage Arc Tracking Rate (HVTR) (0.0500 mm) | 115                      | mm/min            | UL 746      |
| Hot-wire Ignition (HWI) (0.0500 mm)               | 120                      | sec               | UL 746      |
| Flammability                                      | Nominal Value            | Unit              | Test Method |

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