**JPEVA10**

EVA copolymer with good toughness, flexibility and clarity.

**Typical Material Properties**

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| General |  |  |
| Material Status | Commercial: Active |  |
| Availability | North America |  |
| Features | Food Contact Acceptable | Good Toughness |
|  | Good Flexibility | High Clarity |
| Uses | Film | Laminates |
| Processing Method | Blow Molding | Film Extrusion |
|  | Injection Molding |  |

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| Physical Properties | Nominal Values | Test Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.2 g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 10.0 wt% |  |

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| Hardness |  |  |
| Durometer Hardness |  | ASTM D2240 |
| Shore A | 94 |  |
| Shore D | 33 |  |

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| Mechanical Properties |  |  |
| Tensile Strength1 (Break) | 2000 psi | ASTM D638 |
| Tensile Elongation1 (Break) | 700 % | ASTM D638 |
| Flexural Modulus | 11500 psi | ASTM D790 |

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| Films |  |  |
| Secant Modulus |  | ASTM D882 |
| 1% Secant, MD | 12300 psi |  |
| 1% Secant, TD | 13200 psi |  |
| Tensile Strength |  | ASTM D882 |
| MD : Yield | 904 psi |  |
| TD : Yield | 843 psi |  |
| MD : Break | 3750 psi |  |
| TD : Break | 2740 psi |  |
| Tensile Elongation |  | ASTM D882 |
| MD : Break | 350 % |  |
| TD : Break | 500 % |  |
| Dart Drop Impact (2.0 mil) | 400 g | ASTM D1709 |

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| Thermal |  |  |
| Brittleness Temperature | -105 °F | ASTM D746 |
| Vicat Softening Temperature | 176 °F | ASTM D1525 |

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| Extrusion |  |  |
| Melt Temperature | 430 °F | Melt Temperature |
| Notes |  |  |
| 1Type IV, 20 in/min |  |  |