**JPEVA18**

EVA Copolymer with flexibility and low temperature properties.

**Typical Material Properties**

|  |  |  |
| --- | --- | --- |
| General |  |  |
| Material Status | Commercial: Active |  |
| Availability | North America |  |
| Features | Good Flexibility |  |
| Uses | Pellets |  |
| Processing Method | Blow Molding | Film Extrusion |
|  | Injection Molding |  |

|  |  |  |
| --- | --- | --- |
| Physical Properties | Nominal Values | Test Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.1 g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 18.0 wt% |   |

|  |  |  |
| --- | --- | --- |
| Hardness |  |  |
| Durometer Hardness (Shore A) | 91  | ASTM D2240 |

|  |  |  |
| --- | --- | --- |
| Films |  |  |
| Secant Modulus |    | ASTM D882 |
| 1% Secant, MD  | 7500 psi |   |
| 1% Secant, TD  | 8600 psi |   |
| Tensile Strength |    | ASTM D882 |
| MD : Yield | 679 psi |   |
| TD : Yield | 624 psi |   |
| MD : Break | 5940 psi |   |
| TD : Break | 4390 psi |   |
| Tensile Elongation |    | ASTM D882 |
| MD : Break | 410 % |   |
| TD : Break | 560 % |   |
| Dart Drop Impact (1.5 mil) | 610 g | ASTM D1709 |

|  |  |  |
| --- | --- | --- |
| Thermal |  |  |
| Brittleness Temperature | -105 °F | ASTM D746 |
| Vicat Softening Temperature | 149 °F | ASTM D1525 |

|  |  |  |
| --- | --- | --- |
| Extrusion |  |  |
| Melt Temperature | 450 °F |  |