

Westlake DA591 9.0% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Westlake DA591 resin is a 9.0% EVA copolymer designed as a tie layer in multi-layered food packaging film. It has excellent clarity, excellent toughness, good resistance to load deformation, and good machinability. Experimental product. Application/Uses Food packaging tie layer FDA: This material complies with FDA regulations in 21 CFR, section 177.1350. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-DA591-90-Ethylene-Vinyl-Acetate-Copolymer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|------------|
| Density | 0.931 g/cc | 0.0336 lb/in ³ | ASTM D1505 |
| Vinyl Acetate Content | 9.0 % | 9.0 % | |
| Thickness | 31.8 microns | 1.25 mil | |
| Melt Flow | 2.0 g/10 min | 2.0 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------------|-------------|------------|
| Film Elongation at Break, MD | 300 % | 300 % | ASTM D882 |
| Film Elongation at Break, TD | 950 % | 950 % | ASTM D882 |
| Dart Drop | 5.795 g/micron | 147.2 g/mil | ASTM D1709 |
| Dart Drop Test | 184 g | 0.406 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 32.4 MPa | 4700 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 23.4 MPa | 3400 psi | ASTM D882 |
| 1% Secant Modulus, MD | 96.5 MPa | 14000 psi | ASTM D882 |
| 1% Secant Modulus, TD | 124 MPa | 18000 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|--------------------|
| Haze | 4.8 % | 4.8 % | ASTM D1003 |
| Gloss | 60.5 % | 60.5 % | at 45°; ASTM D2457 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Blow-up Ratio (BUR) | 2.5 | 2.5 | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Process | Film | |

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