

Westlake Elevate™ EB591 9% EVA Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Westlake EB591 resin is a 9% EVA copolymer designed for films that require excellent toughness and good heat sealing characteristics. This Kosher compliant resin has excellent low temperature brittleness properties. Its applications include: frozen food packaging, fresh food packaging, ice bags, heavy duty produce bags, foam, and tubing. This resin grade complies with 21 CFR 177.1350. Melt temperatures of 380° F – 410° F are recommended for Westlake Chemical EB591. Test specimens for blown film: nominal thickness 1.5 mils; blow up ratio 2.5:1.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Elevate-EB591-9-EVA-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ASTM-D1505
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	6.89 g/micron	175 g/mil	ASTM-D1709
Film Tensile Strength at Break, MD	32.4 MPa	4700 psi	ASTM-D882
Film Tensile Strength at Break, TD	23.4 MPa	3390 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 %	60 %	Specular; Angle 45°; ASTM-D2457

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