

Westlake Elevate™ EM518 18.5% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Westlake Elevate™ EM518 resin is an 18.5% EVA copolymer designed for injection molding, compounding, and foam. It has excellent low temperature brittleness properties, melt strength, and flexibility. Application/Uses Injection molding Compounding Foam

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Elevate-EM518-185-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D1505
Vinyl Acetate Content	18.5 %	18.5 %	
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	32	32	15s; ASTM D2240
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D638
Elongation at Break	645 %	645 %	ASTM D638
Flexural Modulus, 1% Secant	48.3 MPa	7000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	86.0 °C	187 °F	Peak; Westlake Method
Vicat Softening Point	68.0 °C	154 °F	ASTM D1525

Descriptive Properties	Value	Comments
Process	Injection Molding	
Region	US & Canada	Bamberger Polymers Distribution

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