

Westlake EMAC[®] Plus SP1501 20% EMA Copolymer

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Westlake EMAC[®] Plus SP1501 is a 20% EMA copolymer designed for extrusion coating, compounding, and blending where low viscosity, flexibility, and strength are important. SP1501 provides excellent elasticity and low temperature performance. This resin is capable of very high filler loadings. A higher peak melting temperature than comparable EMA grades makes it a more viable choice for building products that are subjected to 180[°]F testing. It has good adhesion to various substrates and is compatible with numerous resins. SP1501 is soft, flexible, and tough without plasticizers. Its applications include: extrusion coating, compounding, hot melt adhesives, compatibilizer, and concentrate base. This resin grade complies with 21 CFR 177.1340. EMAC[®] Plus resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVC, unplasticized PVC, and other polar polymers. They are made for use as a heat seal layer, adhesive layer, or modifier for cost/performance enhancement. They are soft, pliable, and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their uses as bases for all-purpose concentrates for addition to a wide spectrum of polymers. They process like LDPE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EMAC-Plus-SP1501-20-EMA-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	ASTM-D1505
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 190 °C	25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	37	37	ASTM-D2240
Tensile Strength at Break	5.52 MPa	800 psi	500 mm/min (20 in./min); ASTM-D638 Type IV Specimen
Tensile Strength, Yield	3.86 MPa	560 psi	500 mm/min (20 in./min); ASTM-D638 Type IV Specimen
Elongation at Break	480 %	480 %	500 mm/min (20 in./min); ASTM-D638 Type IV Specimen

Thermal Properties	Metric	English	Comments
Melting Point	100 °C	212 °F	DSC; ASTM-D3418
Vicat Softening Point	43.0 °C	109 °F	ASTM-D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM-D746

Descriptive Properties	Value	Comments
Methyl Acrylate Content (%)	20	
Process	Extrusion	
Region	US & Canada	Bamberger Polymers Distribution

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