

Westlake EMAC® SP2261 23% Ethylene-Methyl Acrylate Copolymer

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Westlake EMAC® SP2261 is a 23% EMA copolymer containing antiblock. This resin is designed for blown or cast film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. SP2261 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. Applications: films, disposable gloves, tubing and wound care. FDA: This material complies with FDA regulations in 21 CFR, section 177.1340. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EMAC-SP2261-23-Ethylene-Methyl-Acrylate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D1505
Methyl Acrylate Content	23 %	23 %	
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 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	9.00 MPa	1310 psi	500 mm/min; ASTM D638 Type IV Specimen
Film Elongation at Break, MD	407 %	407 %	ASTM D882
Film Elongation at Break, TD	755 %	755 %	ASTM D882
Elongation at Break	798 %	798 %	500 mm/min; ASTM D638 Type IV Specimen
Elmendorf Tear Strength MD	85 g	85 g	ASTM D1922
Elmendorf Tear Strength TD	385 g	385 g	ASTM D1922
Dart Drop Test	390 g	0.860 lb	ASTM D1709A
Film Tensile Strength at Break, MD	18.94 MPa	2747 psi	ASTM D882
Film Tensile Strength at Break, TD	16.1 MPa	2330 psi	ASTM D882
1% Secant Modulus, MD	42.29 MPa	6133 psi	ASTM D882
1% Secant Modulus, TD	31.49 MPa	4567 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	74.0 °C	165 °F	by DSC; ASTM D3418
Vicat Softening Point	45.0 °C	113 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	30 %	30 %	ASTM D1003
Gloss	23 %	23 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Process	Blown Film	
	Extrusion	
	Film	
Region	US & Canada	Bamberger Polymers Distribution

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