

Westlake EMAC® SP2255 17% Ethylene-Methyl Acrylate Copolymer

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Westlake EMAC® SP2255 is a 17% EMA copolymer containing slip and antiblock. This resin is designed for blown or cast film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. SP2255 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. Applications: films, flexible packaging, 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-SP2255-17-Ethylene-Methyl-Acrylate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D1505
Methyl Acrylate Content	17 %	17 %	
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 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	12.0 MPa	1740 psi	500 mm/min; ASTM D638 Type IV Specimen
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	723 %	723 %	ASTM D882
Elongation at Break	729 %	729 %	500 mm/min; ASTM D638 Type IV Specimen
Elmendorf Tear Strength MD	70 g	70 g	ASTM D1922
Elmendorf Tear Strength TD	404 g	404 g	ASTM D1922
Dart Drop Test	300 g	0.662 lb	ASTM D1709A
Film Tensile Strength at Break, MD	22.4 MPa	3250 psi	ASTM D882
Film Tensile Strength at Break, TD	19.7 MPa	2860 psi	ASTM D882
1% Secant Modulus, MD	58.38 MPa	8467 psi	ASTM D882
1% Secant Modulus, TD	61.59 MPa	8933 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	82.0 °C	180 °F	ASTM D3418
Vicat Softening Point	60.0 °C	140 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	53 %	53 %	ASTM D1003
Gloss	15 %	15 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Process	Blown Film	
	Extrusion	
	Film	
Region	US & Canada	Bamberger Polymers Distribution
Seal Initiation Temperature	68°C	Westlake

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China