

Westlake EMAC® Plus SP1358 21.5% Ethylene-Methyl Acrylate Copolymer

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Westlake EMAC® Plus SP1358 is a 21.5% 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. SP1358 is compatible with and provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. The higher melting point of this EMAC® Plus grade offers EMA performance with improved heat resistance. Applications: films, disposable gloves, 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-Plus-SP1358-215-Ethylene-Methyl-Acrylate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D1505
Methyl Acrylate Content	21.5 %	21.5 %	
Melt Flow	2.6 g/10 min @Load 2.16 kg, Temperature 190 °C	2.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	32	32	ASTM D2240
Tensile Strength at Break	10.0 MPa	1450 psi	500mm/min; ASTM D638 Type IV Specimen
Film Elongation at Break, MD	525 %	525 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Elongation at Break	805 %	805 %	ASTM D638 Type IV Specimen
Elmendorf Tear Strength MD	69 g	69 g	ASTM D1922
Elmendorf Tear Strength TD	178 g	178 g	ASTM D1922
Dart Drop Test	405 g	0.893 lb	ASTM D1709A
Film Tensile Strength at Break, MD	17.0 MPa	2470 psi	ASTM D822
Film Tensile Strength at Break, TD	14.0 MPa	2030 psi	ASTM D822
1% Secant Modulus, MD	38.6 MPa	5600 psi	ASTM D882
1% Secant Modulus, TD	28.3 MPa	4100 psi	ASTM D882
Heat Seal Strength Initiation Temperature	67.0 °C	153 °F	Westlake

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	95.0 °C	203 °F	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	15 %	15 %	ASTM D1003
Gloss	43 %	43 %	at 45°; ASTM D2457

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

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