

Westlake EMAC® SP2252 20.5% Ethylene-Methyl Acrylate Copolymer

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Westlake EMAC® SP2252 is a 20.5% EMA copolymer containing slip and antiblock. This resin is designed for blown film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. SP2252 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-SP2252-205-Ethylene-Methyl-Acrylate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in³	ASTM D1505
Methyl Acrylate Content	20.5 %	20.5 %	
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	ASTM D2240
Tensile Strength at Break	14.0 MPa	2030 psi	500 mm/min; ASTM D638 Type IV Specimen
Film Elongation at Break, MD	420 %	420 %	ASTM D822
Film Elongation at Break, TD	675 %	675 %	ASTM D822
Elongation at Break	790 %	790 %	500mm/min; ASTM D638 Type IV Specimen
Elmendorf Tear Strength MD	46 g	46 g	ASTM D1922
Elmendorf Tear Strength TD	285 g	285 g	ASTM D1922
Dart Drop Test	360 g	0.794 lb	ASTM D1709A
Film Tensile Strength at Break, MD	22.6 MPa	3280 psi	ASTM D882
Film Tensile Strength at Break, TD	17.4 MPa	2530 psi	ASTM D882
1% Secant Modulus, MD	52.4 MPa	7600 psi	ASTM D882
1% Secant Modulus, TD	49.0 MPa	7100 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	79.0 °C	174 °F	ASTM D3418
Vicat Softening Point	54.0 °C	129 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	30 %	30 %	ASTM D1003
Gloss	22 %	22 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Process	Blown Film	
	Extrusion	
	Film	
Region	US & Canada	Bamberger Polymers Distribution
Seal Initiation Temperature	67°C	Westlake

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