EMAC® SP2258

Ethylene Methyl Acrylate Copolymer

Westlake Chemical Corporation

Message:

Westlake EMAC® SP2258 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. SP2258 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance.

General Information			
Features	Copolymer Good Toughness High ESCR (Stress Crack Resist.) Low Temperature Toughness Soft		
Uses	Containers Film Medical/Healthcare Applications Packaging Tubing		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.943	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Methyl Acrylate Content	17.0	wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	37		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break)	12.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	730	%	ASTM D638
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus			ASTM D882
1% Secant, MD : 38 µm, Blown Film	56.0	MPa	
1% Secant, TD : 38 µm, Blown Film	59.0	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 µm,Blown Film	21.0	MPa	
TD : Break, 38 µm,Blown Film	16.0	MPa	
Tensile Elongation			ASTM D882

MD : Break, 38 µm,Blown Film	330	%	
TD : Break, 38 µm,Blown Film	660	%	
Dart Drop Impact (38 µm, Blown Film)	300	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	53	g	
TD : 38 µm, Blown Film	340	g	
Seal Initiation Temperature	70.0	°C	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	56.0	°C	ASTM D1525
Peak Melting Temperature	82.0	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 µm, Blown Film)	15		ASTM D2457
Haze (38.1 µm, Blown Film)	53	%	ASTM D1003
NOTE			
1.	Type IV, 500 mm/min		
2.	Type IV, 500 mm/min		

Recommended distributors for this material

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