EMAC® SP2255

Ethylene Methyl Acrylate Copolymer

Westlake Chemical Corporation

Message:

EMAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVdC, unplasticized PVC and other polar polymers. For use as heat seal layer, adhesive layer, or modifier for cost/performance enhancement. They are soft, pliable and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their use as bases for all-purpose concentrates for addition to a wide spectrum of polymers. They process like LDPE.

General Information			
Additive	High Antiblock High Slip		
Features	Copolymer Good Toughness High Antiblocking High ESCR (Stress Crack Resist.) High Slip Low Temperature Toughness Soft		
Uses	Film Medical/Healthcare Applications Packaging Tubing		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.942	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	52.0	MPa	

1% Secant, TD : 38 µm, Blown Film	62.0	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 µm,Blown Film	22.0	MPa	
TD : Break, 38 µm,Blown Film	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	470	%	
TD : Break, 38 µm,Blown Film	720	%	
Dart Drop Impact (38 µm, Blown Film)	300	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	70	g	
TD : 38 µm, Blown Film	400	g	
Seal Initiation Temperature	68.0	°C	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	60.0	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China