

EMAC+® SP1307

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 uses as bases for all-purpose concentrates for addition to a wide spectrum of polymers. EMAC resins process like LDPE. EMAC+ Specialty Copolymers are produced under patented technology: US Patent 5804675.

General Information			
Features	Good Adhesion		
	Good Flexibility		
	Good Heat Seal		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Soft		
Uses	Film		
	Tie-Layer		
Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Methyl Acrylate Content	20.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	35		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	10.0	MPa	ASTM D638
Tensile Elongation ² (Break)	830	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	46.0	°C	ASTM D1525
Peak Melting Temperature	95.0	°C	ASTM D3418
NOTE			
1.	Type IV, 500 mm/min		
2.	Type IV, 500 mm/min		

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