

# EMAC® SP2403

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. They process like LDPE.

General Information			
Features	Copolymer		
	Fatigue Resistant		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Soft		
Uses	Film		
	Medical/Healthcare Applications		
	Packaging		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Methyl Acrylate Content	24.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	34		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	8.00	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	670	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	44.0	°C	ASTM D1525
Peak Melting Temperature	75.0	°C	ASTM D3418
NOTE			
1.	Type IV, 500 mm/min		
2.	Type IV, 500 mm/min		

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