

# EMAC® SP2261

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		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Low Temperature Toughness		
	Soft		
Uses	Film		
	Medical/Healthcare Applications		
	Packaging		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1340		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Methyl Acrylate Content	23.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	9.00	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	800	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 38 µm, Blown Film	42.0	MPa	
1% Secant, TD : 38 µm, Blown Film	31.0	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 µm, Blown Film	19.0	MPa	
TD : Break, 38 µm, Blown Film	16.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	410	%	
TD : Break, 38 µm,Blown Film	760	%	
Dart Drop Impact (38 µm, Blown Film)	390	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	85	g	
TD : 38 µm, Blown Film	390	g	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -73.0	°C	ASTM D746
Vicat Softening Temperature	45.0	°C	ASTM D1525
Peak Melting Temperature	74.0	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 µm, Blown Film)	23		ASTM D2457
Haze (38.1 µm, Blown Film)	30	%	ASTM D1003
NOTE			
1.	Type IV, 500 mm/min		
2.	Type IV, 500 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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



WECHAT