

Westlake EMAC SP2242 Specialty Copolymer

Polymer, Thermoplastic, Ethylene Methyl Acrylate, Ethylene-Methyl Acrylate Copolymer, Compounding Grade

Westlake Chemical Corporation

€ • , f

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. Applications/Uses/Films
Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

• ... † ‡	ˆ %S (< CE)	ˆ %S (• CE)	Ž • • ’
Base Resin Density	0.939 g/cc	0.0339 lb/in ³	ASTM D1505
Methyl Acrylate Content	17.5 %	17.5 %	
€ •	38.1 microns	1.50 mil	ASTM D374
Base Resin Melt Index	3.5 g/10 min	3.5 g/10 min	ASTM D1238
’ “ † ‡	ˆ %S (< CE)	ˆ %S (• CE)	Ž • • ’
, f • • (...f D)	35	35	ASTM D2240
† ‡ ^ • (%S)	11.0 MPa	1600 psi	ASTM D638
%S < CE • , MD	365 %	365 %	ASTM D882
%S < CE • , TD	695 %	695 %	ASTM D882
< CE • (%S)	770 %	770 %	500mm/min; ASTM D638
Ž • • ’ (MD)	0.0560 GPa	8.12 ksi	0.01; ASTM D882
Ž • • ’ (TD)	0.0560 GPa	8.12 ksi	0.01; ASTM D882
’ “ • • – † — ^ • (MD)	1.15 g/micron	29.2 g/mil	ASTM D1922
’ “ • • – † — ^ • (TD)	4.99 g/micron	127 g/mil	ASTM D1922
– TM	6.04 g/micron	153 g/mil	ASTM D1709A
† ‡ ^ • (MD : %S)	19.0 MPa	2760 psi	ASTM D882
† ‡ ^ • (TD : %S)	14.0 MPa	2030 psi	ASTM D882
Heat Seal Strength Initiation Temperature	70.0 °C	158 °F	Eastman
” † ‡	ˆ %S (< CE)	ˆ %S (• CE)	Ž • • ’
S > ce •	84.0 °C	183 °F	DSC
• Ž ce •	<= -73.0 °C	<= -99.4 °F	ASTM D746
• – † ‡	ˆ %S (< CE)	ˆ %S (• CE)	Ž • • ’
ÿ •	49 %	49 %	ASTM D1003
i •	15 %	15 %	ASTM D2457