

Westlake EMAC® SP2242 Specialty Copolymer

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

Westlake Chemical Corporation

产品说明

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

物理性能	额定值 (公制)	额定值 (英制)	测试方法
Base Resin Density	0.939 g/cc	0.0339 lb/in³	ASTM D1505
Methyl Acrylate Content	17.5 %	17.5 %	
厚度	38.1 microns	1.50 mil	ASTM D374
Base Resin Melt Index	3.5 g/10 min	3.5 g/10 min	ASTM D1238
机械性能	额定值 (公制)	额定值 (英制)	测试方法
肖氏硬度 (邵氏 D)	35	35	ASTM D2240
抗张强度(断裂)	11.0 MPa	1600 psi	ASTM D638
断裂伸长率,MD	365 %	365 %	ASTM D882
断裂伸长率,TD	695 %	695 %	ASTM D882
伸长率 (断裂)	770 %	770 %	500mm/min; ASTM D638
割线模量(MD)	0.0560 GPa	8.12 ksi	0.01; ASTM D882
割线模量(TD)	0.0560 GPa	8.12 ksi	0.01; ASTM D882
埃尔曼多夫抗撕强度(MD)	1.15 g/micron	29.2 g/mil	ASTM D1922
埃尔曼多夫抗撕强度(TD)	4.99 g/micron	127 g/mil	ASTM D1922
落锤	6.04 g/micron	153 g/mil	ASTM D1709A
抗张强度(MD : 断裂)	19.0 MPa	2760 psi	ASTM D882
抗张强度(TD : 断裂)	14.0 MPa	2030 psi	ASTM D882
Heat Seal Strength Initiation Temperature	70.0 °C	158 °F	Eastman
热性能	额定值 (公制)	额定值 (英制)	测试方法
熔融温度	84.0 °C	183 °F	DSC
脆化温度	<= -73.0 °C	<= -99.4 °F	ASTM D746
光学性能	额定值 (公制)	额定值 (英制)	测试方法
雾度	49 %	49 %	ASTM D1003
光泽度	15 %	15 %	ASTM D2457