

EMAC+® SP1358

乙烯丙烯酸甲酯共聚物

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. EMAC resins process like LDPE. EMAC+ Specialty Copolymers are produced under patented technology: US Patent 5804675.

基本信息				
特性	高 ESCR(抗应力开裂) 韧性良好	良好的热封性 柔软	良好的柔韧性	良好粘结性
用途	薄膜	粘结树脂		
物理性能	额定值	单位制	测试方法	
密度	0.940	g/cm³	ASTM D1505	
熔流率(熔体流动速率) (190°C/2.16 kg)	2.4	g/10 min	ASTM D1238	
甲基丙烯酸含量	21.5	wt%		
硬度	额定值	单位制	测试方法	
肖氏硬度 (邵氏 D)	32		ASTM D2240	
机械性能	额定值	单位制	测试方法	
抗张强度 ¹ (断裂)	10.0	MPa	ASTM D638	
伸长率 ² (断裂)	810	%	ASTM D638	
薄膜	额定值	单位制	测试方法	
割线模量			ASTM D882	
1% 正割, MD	39.0	MPa	ASTM D882	
1% 正割, TD	28.0	MPa	ASTM D882	
抗张强度			ASTM D882	
MD：断裂	17.0	MPa	ASTM D882	
TD：断裂	14.0	MPa	ASTM D882	
伸长率			ASTM D882	
MD：断裂	530	%	ASTM D882	
TD：断裂	760	%	ASTM D882	
落锤冲击	410	g	ASTM D1709A	
埃尔曼多夫抗撕强度			ASTM D1922	
MD	69	g	ASTM D1922	
TD	180	g	ASTM D1922	
始封温度	67.0	°C		
热性能	额定值	单位制	测试方法	
脆化温度	< -73.0	°C	ASTM D746	
维卡软化温度	45.0	°C	ASTM D1525	
熔融峰值温度	95.0	°C	ASTM D3418	
光学性能	额定值	单位制	测试方法	
光泽度 (45°)	43		ASTM D2457	
雾度	15	%	ASTM D1003	
备注				
1.	类型 4, 500 mm/min			
2.	类型 4, 500 mm/min			