

Lotader® 4503

乙烯丙烯酸共聚物

Arkema

产品说明

LOTADER® 4503 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure autoclave process.

Applications

LOTADER® 4503 is a versatile adhesive for extrusion lamination, designed as a ready for use resin to be used pure.

LOTADER® 4503 gives excellent adhesion to plain, primer-less OPET films as well as to other plastic films like OPP, CPP, OPA and reverse-printed films. It also bonds to easier substrates like PE films, aluminium foil, metalized plastics, paper and board.

Typical uses are:

Adhesive for extrusion lamination of polar and non-polar films and foils, particularly for OPET and aluminium.

Adhesive for coextrusion coating of LDPE / Tie / EVOH or PA / tie onto OPET or other films.

基本信息

特性	较高的熔体稳定性 热稳定性,良好	良好的剥离性 三元共聚物	良好粘性	内缩量低
用途	层压板	涂层应用	粘合剂	
形式	粒子			
加工方法	层压法	共挤出成型	挤出涂层	

物理性能	额定值	单位制	测试方法
密度	0.940	g/cm ³	ISO 1183, ASTM D1505
熔流率(熔体流动速率) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
甲基丙烯酸含量	20.0	wt%	
Maleic Anhydride Content	0.3	wt%	

硬度	额定值	单位制	测试方法
肖氏硬度 (邵氏 D, 模压成型)	25		ASTM D2240, ISO 868

机械性能	额定值	单位制	测试方法
抗张强度 (断裂, 模压成型)	9.00	MPa	ASTM D638, ISO 527-2
伸长率 (断裂, 模压成型)	750	%	ASTM D638, ISO 527-2
弯曲模量 (模压成型)	20.0	MPa	ASTM D790, ISO 178

热性能	额定值	单位制	测试方法
维卡软化温度	45.0	°C	ISO 306/A, ASTM D1525 ¹
熔融温度	80.0	°C	ISO 11357-3

备注
1. 压力1 (10N)