Lotader® AX 8900

乙烯甲基丙烯酸酯

Arkema

产品说明

LOTADER® AX8900 is a random terpolymer of ethylene, acrylic ester and glycidyl methacrylate, polymerized by high-pressure autoclave process.
Acrylic ester brings softness and polarity, while keeping high thermal stability during processing.
The high content of acrylic ester leads to high flexibility (low cristallinity) and high impact absorption behaviour.
Glycidyl methacrylate gives reactivity (versus OH, COOH and NH 2 groups), leading to optimal dispersion during melt mixing with engineering thermoplastics.
As an ethylene copolymer, LOTADER® AX8900 is compatible with LDPE in all proportions, and with almost all other ethylene copolymers.
LOTADER® AX8900 exhibits good adhesion on PET, PBT, PPS, metal, paper, and glass.
Applications
Due to its properties, LOTADER® AX8900 is suitable as additive (toughener) to improve the impact strength of engineering thermoplastics like polyesters (PBT, PET), PC/PBT and PC/ABS alloys, PPS. It can also be use as a compatibilizer for polyesters/polyolefins blends and in some formulated adhesive tapes. For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

基本信息				
特性	反应性高	抗撞击性,高	可分散	良好的柔韧性
	良好粘结性	热稳定性,良好	三元共聚物	
用途	层压板	塑料改性	粘合剂	
形式	粒子			

物理性能	额定值	单位制	测试方法
密度	0.940	g/cm³	ISO 1183, ASTM D1505
熔流率(熔体流动速率) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
甲基丙烯酸含量	24.0	wt%	
Glycidyl Methacrylate Content	8.0	wt%	

硬度	额定值	单位制	测试方法
肖氏硬度			ASTM D2240, ISO 868
邵氏 A, 1 秒, 模压成型	64		ASTM D2240, ISO 868
邵氏 D, 1 秒, 模压成型	18		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)	4.00	MPa	ASTM D638, ISO 527-2
伸长率 (断裂, 模压成型)	1100	%	ASTM D638, ISO 527-2
弯曲模量 (模压成型)	< 30.0	MPa	ASTM D790, ISO 178

热性能	额定值	单位制	测试方法
维卡软化温度	< 40.0	°C	ISO 306/A, ASTM D1525 [1]
熔融温度	65.0	°C	ISO 11357-3

备注	
1.	压 力1 (10N)