

Lotader® AX 8900

乙烯甲基丙烯酸酯
Arkema

Technical Data

产品说明

LOTADER® AX 8900 is a random terpolymer of ethylene, acrylic ester and glycidyl methacrylate, polymerized under high pressure in an autoclave process. Comonomer content is high.

Due to its properties (reactivity, softness), LOTADER® AX 8900 is an additive (toughener) of choice in order to improve the impact strength of engineering thermoplastics like PA, Polyesters (PBT, PET.), PC/PBT and PC/ABS alloys, PPS. It can also be use as a compatibilizer for Polyesters/Polyolefins blends and as an adhesive for some laminate structures.

- 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 NH2 groups), leading to optimale dispersion during melt mixing with engineering thermoplastics.
- As an ethylene copolymer, LOTADER® AX 8900 is compatible with LDPE in all proportions, and with almost all other ethylene copolymers.
- Good adhesion on PET, PBT, PPS, metal, paper, glass..

总体

材料状态	• 已商用：当前有效		
资料 ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Arkema		
供货地区	• 北美洲 • 非洲和中东	• 拉丁美洲 • 南美洲	• 欧洲 • 亚太地区
性能特点	• 反应性高 • 抗撞击性，高 • 可分散	• 良好的柔韧性 • 热稳定性，良好 • 柔软	• 三元共聚物 • 无腐蚀性
用途	• 层压板	• 粘合剂	
形式	• 颗粒料		

物理性能	额定值	单位制	测试方法
密度	0.940	g/cm³	ISO 1183
熔流率 (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
机械性能	额定值	单位制	测试方法
拉伸模量 ³	8.00	MPa	ASTM D638
抗张强度 ³ (断裂, 模压成型)	4.00	MPa	ASTM D638
伸长率 ³ (断裂, 模压成型)	1100	%	ASTM D638
弯曲模量 (模压成型)	30.0	MPa	ASTM D790 ISO 178
硬度	额定值	单位制	测试方法
硬度计硬度			ASTM D2240
邵氏 A, 1 秒, 模压成型	64		
邵氏 D, 1 秒, 模压成型	18		
热性能	额定值	单位制	测试方法
维卡软化温度	40.0	°C	ASTM D1525 ISO 306
熔融温度	65.0	°C	DSC

补充信息

Glycidyl Methacrylate Content, IRTF (internal): 8% wt.
Methyl Acrylate Content, IRTF (internal): 24% wt.
Flexural Modulus, ASTM D790, ISO 178: <30 MPa
Vicat Softening Point, ASTM D1525, ISO 306: <40°C