Lotader€ AX 8900

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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.

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½ ¾	0.940	g/cm•	ISO 1183, ASTM D1505
¿ À Á (¿ Â À Ã Ä Á) (190,C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
, ƒ „ • … Å Æ	24.0	wt%	
Glycidyl Methacrylate Content	8.0	wt%	

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È É Ç ¾			ASTM D2240, ISO 868
Ê É A, 1 Ë, Ì § Í Î	64		ASTM D2240, ISO 868
Ê É D, 1 Ë, Ì § Í Î	18		ASTM D2240, ISO 868

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• Ñ Ò ¾ (Ó Ô, Ì § Í Î)	4.00	MPa	ASTM D638, ISO 527-2
Õ Ö Á (Ó Ô, Ì § Í Î)	1100	%	ASTM D638, ISO 527-2
× Ø Ì Æ (Ì § Í Î)	< 30.0	MPa	ASTM D790, ISO 178

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Ù Ú Û Ü Ý ¾	< 40.0	,C	ISO 306/A, ASTM D1525 [1]
¿ Þ Ý ¾	65.0	,C	ISO 11357-3

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