Technical Data Sheet
Revision Date: June 2025

LOTADER® 8200

LOTADER® 8200 is a random ethylene – ethyl acrylate - maleic anhydride terpolymer.

Due to its properties, reactivity, fluidity and compatibility with tackifying resins and waxes, LOTADER® 8200 is suitable as additive for hot melt adhesive formulations and as coupling agent in mineral filled compounds.

Typical Properties

	Test Method	Unit	Typical Value
Ethyl Acrylate Content	FTIR (internal method)	%.-wt.	6.5
Maleic Anhydride Content	FTIR (internal method)	%.-wt.	2.8
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	200
Melting Point	ISO 11357 / ASTM D3418	°C	100
Vicat Softening Temperature (1)	ISO 306 / ASTM D1525	°C	57
Density	ISO 1183	g/cm^3	0.94
Flexural Modulus (1)	ISO 178	MPa	40
Elongation at break (1)	ISO 527 / ASTM D638	%	400
Tensile strength at break (1)	ISO 527 / ASTM D638	MPa	6
Hardness Shore D (1)	ISO 868 / ASTM D2240	-	26

(1) On compression molded samples.

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Processing

Heat stability of acrylate comonomers allows processing temperatures as high as for polyamides, which is the main material using LOTADER® 8200 as impact modifier. However, to minimize the generation of gels, it is recommended to purge the equipment with LDPE after a run is completed.

LOTADER® 8200 is not corrosive.

Storage, Handling & Safety

LOTADER® 8200 is usually packed in waterproof bags or rigid containers with waterproof liner. It should be stored in dry conditions and be kept out of moisture in an aerated building. Improper storage conditions may cause degradation and could have consequences on physical properties of the product. It is recommended to reseal the bag or the liner after use to protect LOTADER® 8200 against moisture.

Safety data sheet as well as information on handling and storage of the LOTADER® 8200 is available upon request to your SK Functional Polymer representative or on the web site lotader.com.

Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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