

BONDINE® TX8030

BONDINE® TX8030 is a random ethylene-ethyl acrylate-maleic anhydride terpolymer.

BONDINE® TX8030 is a versatile adhesive for extrusion coating or lamination, designed as:

- Concentrate to be used in dry blend with LDPE. BONDINE® TX8030 improves adhesion of LDPE on aluminium foils, metallized or primerized films.
- Ready for use resin to be used pure. LOTADER® TX8030 gives excellent adhesion on substrates likes aluminium foil, metallized plastics, paper, board, PE and its copolymers.
- Coextrusion tie layer for PE/PA in extrusion coating process.

Typical Properties

	Test Method	Unit	Typical Value
Ethyl Acrylate Content	FTIR (internal method)	%.-wt.	13
Maleic Anhydride Content	FTIR (internal method)	%.-wt.	2.8
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	3
Melting Point	ISO 11357-3	°C	95
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	65
Density	ISO 1183 / ASTM D1505	g/cm ³	0.94
Flexural Modulus ¹	ISO 178 / ASTM D790	MPa	130
Elongation at break ¹	ISO 527-2 / ASTM D638	%	700
Tensile strength at break ¹	ISO 527-2 / ASTM D638	MPa	12
Hardness Shore D ¹	ISI 868 /ASTM D2240	-	36

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 BONDINE® TX8030 as impact modifier. However, to minimize the generation of gels, it is recommended to purge the equipment with LDPE after a run is completed.

BONDINE® TX8030 is not corrosive.

Storage, Handling & Safety

BONDINE® TX8030 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 BONDINE® TX8030 against moisture.

Safety data sheet as well as information on handling and storage of the BONDINE® TX8030 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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