

Technical data sheet

Chemicals



EBA REPSOL EBANTIX® E1303

EBA REPSOL EBANTIX® E1303 is a copolymer suitable for blown film applications where good flexibility and very good mechanical properties are required. The butyl acrylate content is 13%. It contains antioxidant additives.

Applications

- Film extrusion.
- Stretch hood film.
- Agricultural films.
- Cables.

Recommended melt temperature 180°C. Processing characteristics of E1303 are similar to LDPE and conventional polyethylene extruders are recommended. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg)	0.3	g/10 min	ISO 1133
Butyl acrylate content	13	%	Internal
Density at 23°C	925	kg/m ³	ISO 1183
Melting Point	101	°C	Internal
Film⁽¹⁾			
Dart drop (F ₅₀)	>1500	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	1260/1340	cN	ISO 6383-2
Tensile strength at break (MD/TD)	20/22	MPa	ISO 527-3
Elongation at break (MD/TD)	570/600	%	ISO 527-3
Coefficient of friction	1.3	--	ISO 8295

(1) 200 µm thickness film, blow up ratio 1:2.5, frost line height 50 cm.

EBA REPSOL EBANTIX® E1303 complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

Storage

EBA REPSOL EBANTIX® E1303 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 40°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and the properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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