

Technical data sheet

Chemicals



EBA REPSOL EBANTIX® E303

EBA REPSOL EBANTIX® E303 is a copolymer suitable for blown film applications with good optical and mechanical properties even at low temperatures. The material has very good sealing properties. The butyl acrylate content is 3%.

Applications

- Shrink film.
- Silage film.
- Heavy-duty bags.

Recommended melt temperature 180°C. Processing characteristics of E303 are similar to LDPE and conventional polyethylene extruders are recommended.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg)	0.3	g/10 min	ISO 1133
Butyl acrylate content	3	%	Internal
Density at 23°C	923	kg/m ³	ISO 1183
Film⁽¹⁾			
Dart drop (F ₅₀)	600	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	400/600	cN	ISO 6383-2
Tensile strength at break (MD/TD)	25/25	MPa	ISO 527-3
Elongation at break (MD/TD)	500/700	%	ISO 527-3
Gloss (45°)	70	%	ASTM D-2457
Haze	10	%	ASTM D-1003

(1) 125 µm thickness film, blow up ratio 1:2.5, frost line height 50 cm.

EBA REPSOL EBANTIX® E303 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® E303 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°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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