

Technical data sheet

Chemicals



EBA REPSOL EBANTIX® E1770

EBA REPSOL EBANTIX® E1770 is a copolymer suitable for general extrusion, injection moulding and compounds where good processability, flexibility and very good mechanical properties are required. The butyl acrylate content is 17%. It contains antioxidant additives.

Applications

- Extrusion (profiles, sheets).
- Injection moulding.
- Microcellular foams.
- Compounds and masterbatches.
- Cables.

Recommended melt temperature 180°C. EBA copolymers exhibit excellent thermal stability, which allows higher processing temperatures if needed. Processing characteristics of E1770 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)	7.0	g/10 min	ISO 1133
Butyl acrylate content	17	%	Internal
Density at 23°C	924	kg/m ³	ISO 1183
Melting Point	93	°C	Internal
Vicat softening temperature (load 10 N)	61	°C	ISO 306
Mechanical			
Tensile strength at break	12	MPa	ISO 527-2
Elongation at break (MD/TD)	800	%	ISO 527-2
Shore Hardness A	90	-	ISO 868
Shore Hardness D	33	-	ISO 868

EBA REPSOL EBANTIX® E1770 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® E1770 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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