

B30D730

Provisional Product Technical Information

B30D730 is an ethylene butyl acrylate copolymer containing 18% butyl acrylate.

Benefits & Features

B30D730 is an additive-free EBA grade produced in a high pressure autoclave process. It offers the following properties:

- High elasticity, with good elastic recovery
- Good toughness and flexibility
- Low melting temperature
- Excellent bubble stability and extrudability

Applications

B30D730 is particularly suitable for the applications requiring good elastic recovery and/or low melting points:

- Multilayer stretch hood film
- Low-melting-point ingredient bags for the rubber industry
- Soft film
- ...

We recommend that you consult your INEOS technical representative for further advice on the use of **B30D730**

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	0.5	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-2	927	kg/m ³
Mechanical*				
Dart drop impact Method A		ASTM D 1709	1010	g
Tensile strength at break MD/TD		ISO 527-3	32 / 32	MPa
Tensile strain at break MD/TD		ISO 527-3	560 / 710	%
1% Secant modulus MD/TD		ISO 527-3	46 / 46	MPa
Elmendorf tear strength MD/TD		ASTM D 1922	50 / 190	g/25 µm
Optical*				
Haze	25µm	ASTM D 1003	9	%
Gloss	45°	ASTM D 2457	50	%
Thermal				
Peaks melting temperature (DSC)	10N	INEOS Test Method	97	°C
Additives : None				
Data should not be used for specification work				

* 60 µm film, 2.5:1 blow-up ratio, 180°C melt temperature - MD = machine direction, TD = transverse direction

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Processing guidelines

B30D730 can be processed on most standard extrusion equipments and conventional polyethylene extruders are recommended. Optimisation of conditions may be necessary, depending on the exact film composition. The processing characteristics of **B30D730** are similar to LDPE. The recommended melt temperature range is 170-190°C.

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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