



# B30G730

## Product Technical Information

Polyethylene EBA Copolymer for Blown film

## Benefits & Features

**B30G730** is an Ethylene Butyl Acrylate (EBA) copolymer, containing 17% butyl acrylate.

## Applications

**B30G730** has been developed to give a strong and elastic film with low gel levels for applications such as

- Stretch hood
- Surface protection film
- Soft film for gloves

Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	1.0	g/10min
Density		ISO 1183-1	926	kg/m <sup>3</sup>
<b>Mechanical*</b>				
Dart drop	Method A	ASTM D 1709	670	g
Tensile Stress at Yield	MD/TD	ISO 1184	6/4	MPa
Tensile Stress at Break	MD/TD	ISO 1184	23/21	MPa
Elongation at Break	MD/TD	ISO 1184	540/680	%
1% Secant Modulus	MD/TD	ISO 1184	50/50	MPa
Elmendorf tear strength	MD/TD	ASTM D 1922	30/160	g/25µm
<b>Optical</b>				
Gloss	45°	ASTM D 2457	40	%
Haze		ASTM D 1003	14	%

### Data should not be used for specification work

\* Film properties are measured on a 60 µm film sample produced at BUR= 2.5:1; melt temperature during extrusion: 180°C. MD = machine direction, TD = transverse direction

## Processing guidelines

Recommended melt temperature range is 180°C. Processing characteristics of B30G730 are similar to LDPE and conventional polyethylene extruders are recommended.

## 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.