

Product Data Sheet

Lucofin® X1026-1 (preliminary data sheet)

1. Product description

Lucofin® X1026-1 is a polar copolymer of ethylene and n-butyl acrylate with low crystallinity and low levels of related comonomers.

Lucofin® X1026-1 is supplied as uncoloured granules.

2. Product properties

Lucofin® X1026-1 is used in mono as well as multilayer films, especially for adhesion to Polypropylene.

3. Product advantages

- Processing on conventional plastic processing plants
- Increased flexibility
- Improved low temperature impact strength (- 40 °C)
- Increased thermal stability of the polymer (no acid splitting)
- good mechanical properties
- high service temperatures
- good compatibility with other polymers / ideal additive for recyclates
- Allows binding of high proportions of filler

4. Applications

The material is mainly used in extrusion. In film extrusion, Lucofin® X1026-1 is used for food packaging. Lucofin® X1026-1 is also suitable as a base polymer for compounds and for impact modification of stiffer polymers.

5. Food Approval

Lucofin® X1026-1 complies with the relevant requirements of the regulations

- 1935/2004/EG
- 2023/2006/EG (GMP) and the amended regulation
- 10/2011/EG (PIM).

6. Processing

Lucofin® X1026-1 can be processed on all machines commonly used for thermoplastics. The following guidelines are recommended for extrusion:

Cast Film: approx. 165° - 185 °C

7. Chemical resistance

Lucofin® X1026-1 is resistant to water and aqueous solutions, to salts and to diluted acids and bases. Aliphatic, aromatic and halogen-substituted hydrocarbons can partially swell or dissolve Lucofin® X1026.

With regard to organoleptic/sensory suitability, we recommend application-related tests.

8. Packaging

Granules in 25 kg bags, standard pallet 1.375 kg. Other packaging upon request.

9. Storage and handling

Lucofin® X1026-1 should be stored dry, below 40°C and protected from direct UV radiation. Otherwise the packaging may be damaged or odors and/or discolouration may occur due to material degradation.

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Technical data			
	Standard	Unit	Standard value
MFR (190 °C/2.16 kg)	ISO 1133	g/10 min	9
¹ Measured on moulded plaques			
*These standard values are typical values and should not be regarded as specifications.			

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