

# Product Data Sheet Lucofin<sup>®</sup> 2273 KS

## Product description

Lucofin 2273 KS 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 27%. It contains antioxidant additives and free flowing additives.

## Applications

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

Recommended melt temperature is 180°C. EBA copolymers exhibit excellent thermal stability, which allows higher processing temperatures if needed. Processing characteristics of Lucofin 2273 KS are similar to LDPE. Processing conditions should be optimized for each production line.

## Storage

Lucofin 2273 KS 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.

## Disclaimer

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be

used in medical, pharmaceutical, or healthcare applications, therefore Repsol does not authorize its use in them.

LUCOBIT does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by LUCOBIT, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. LUCOBIT does not assume any responsibility for the use of its materials together with other materials.

## Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet
- Statement on compliance with food contact regulations

Recommended consumption period: 12 months from the raw material reception

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<b>Properties</b>			
	Value	Unit	Test Method
<b>General</b>			
Melt flow rate (190°C, 2.16kg)	3.5	g/10 min	ISO 1133
Butyl acrylate content	27	%	Internal
Density at 23°C	927	kg/m <sup>3</sup>	ISO 1183
Melting Point	80	°C	Internal
Vicat softening temperature (load 10 N)	42	°C	ISO 306
<b>Mechanical</b>			
Tensile strength at break (23°C)	8	MPa	ISO 527-2
Elongation at break	770	%	ISO 527-2
Shore Hardness A	90	-	ISO 868
Shore Hardness D	20	-	ISO 868
These standard values are typical values and should not be regarded as specifications.			

**Note**

The information provided in this document is based on our product tests and present technical knowledge. It does not release purchasers from the responsibility of carrying out their receiving inspections. Neither does it imply any binding assurance of suitability of our products for a particular purpose. As LUCOBIT cannot anticipate or control the many different conditions under which this product may be processed and used this information does not relieve processors from their own tests and investigations. Any proprietary rights as well as existing legislation shall be observed.