

Low Density Polyethylene LDF2023S1**Description:**

LDF2023S1 is a low density polyethylene which contains slip and antiblock additives. It has good optical properties and excellent processability.

Additives:

Slip 500 ppm, antiblock 750 ppm.

Applications:

Shrink film., bags and sacks, blown film, Flexible Packaging (Cast Films).

Processes:

Cast Film Extrusion., Blown film extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	2.00
Density	ASTM D792	g/cm ³	0.920

Typical properties¹

Feature	Method	Units	Values
Tensile Strength at Break MD/TD	ASTM D 882	MPa	22/15
Strain at Break MD/TD	ASTM D 882	%	310/585
Elasticity Modulus (Secant 1%) MD/TD	ASTM D 882	MPa	150/160
Elmendorf Tear Strength TD	ASTM D 1922	gF	387
Dart Drop Impact	ASTM D 1709/A	gF	110
Haze	ASTM D 1003	%	5.1

¹ Film properties tested with a monolayer 50 µm thickness blown film, blow up ratio: 2.8, die gap: 1.8 mm. MT=Machine direction, TD= Transversal direction. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

Final Observations

1. The information in this document is provided in good faith and reflects typical values obtained in our laboratories and should not be considered as absolute nor warranted. Only the properties and values mentioned on the certificate of quality are considered as product warranty.
2. In some application, Braskem IDESA has developed resins well-tailored to meet specific requirements.
3. In case of doubts regarding our product use for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com.
4. For information about safety, handling, individual protection equipment, first aid disposal, consult the safety data sheet (SDS) or please contact our Braskem IDESA safety team product.safety@braskem.com CAS Number: 9002-88-4
5. The values reported in this document may change without Braskem IDESA communication.
6. Braskem IDESA does not recommended the use of this product for the manufacture of packages, parts or any other used storage or contact with parenteral solution nor with the inside of the human body.
7. The content of this product data sheet replaces the one issued previously.