


Technical Data Sheet
 Revision 3 (December/17)

Low Density Polyethylene LDF0025

Description:

LDF0025 is a low density polyethylene of high molecular weight that provides high mechanical strength. The product is highly versatile and can be used in several applications due to their easy processability and high compatibility with other types of polyethylene. It does not contain antiblock and slip additives.

Applications:

Industrial bags, shrink film, bags and sacks, agricultural films and greenhouse coverings, blown film and bottles for consumer goods as well as blends with HDPE and LLDPE for extrusion and molding process.

Process:

Blown film extrusion, injection molding.

Control Properties:

	Method	Units	Values
Melt Flow Rate (190°C/2.16Kg)	ASTM D1238	g/10 min	0.25
Density	ASTM D792	g/cm ³	0.923

Typical Properties¹:

	Method	Units	Values
Tensile Strength at Break, MD/TD	ASTM D882	MPa	30/25
Elongation at Break, MD/TD	ASTM D882	%	400/586
Flexural modulus, secant method at 1%, MD/TD	ASTM D882	MPa	180/185
Elmendorf Tear Strength, TD	ASTM D1922	gF	530
Dart drop impact	ASTM D1709	gF	265
Haze	-	%	<8

¹ Film properties tested with a monolayer 70 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:

- 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.
- In some applications, Braskem IDESA has developed resins well-tailored to meet specific requirements.
- In case of doubts regarding our product use or for other applications, please contact our Braskem IDESA technical services serviciotecnicos@braskem.com
- For information about safety, handling, individual protection equipment, first aid and disposal, consult the Safety Data Sheet (SDS) or please contact our Braskem IDESA safety team product.safety@braskem.com. CAS Number: 9002-88-4.
- The values reported in this document may change without Braskem IDESA previous communication.
- Braskem IDESA does not recommend the use of this product for the manufacture of packages, parts or any other product used for storage or contact with parenteral solution nor with the inside of the human body.
- The content of this Product Data Sheet replaces the one issued previously.