


Technical Data Sheet
 Revision 00 (March/18)

Low Density Polyethylene LDF1520S2

Description:

LDF1520S2 is a low density polyethylene which contains slip and antiblock additives. It has good optical properties and excellent processability.

Additives

Slip 700 ppm, antiblock 1250 ppm.

Applications:

Bags and sacks, Shrink Film, Blown Film, Cast Film and Food Packaging Films.

Process:

Blown Film, Cast Film.

Control Properties:

	Method	Units	Values
Melt Flow Rate (190°C/2.16Kg)	ASTM D1238	g/10 min	1.5
Density	ASTM D792	g/cm ³	0.921

Typical Properties¹:

	Method	Units	Values
Tensile strength at yield, TD	ASTM D882	MPa	9
Elongation at yield, TD	ASTM D882	%	12
Tensile strength at break, MD/TD	ASTM D882	MPa	22/16
Elongation at Break, MD/TD	ASTM D882	%	245/538
Modulus of elasticity, (Secant 1%) MD/TD	ASTM D882	MPa	155/167
Elmendorf Tear Strength, MD/TD	ASTM D1922	gF	430/318
Dart drop impact	ASTM D1709	g	116
Haze	-	%	8
Transmittance		%	90.4

¹ Film properties tested with a monolayer 50 µm thickness blown film, blow up ratio: 2.5, 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 applications, Braskem IDESA has developed resins well-tailored to meet specific requirements.
3. In case of doubts regarding our product use or for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com
4. 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.
5. The values reported in this document may change without Braskem IDESA previous communication.
6. 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.
7. The content of this Product Data Sheet replaces the one issued previously.