

Low Density Polyethylene LDF0080

Description:

LDF0080 is a low density polyethylene with good mechanical and optical properties.

Applications:

Shrink film., diaper back sheet, medium-strength film for packaging of various products.

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	0.8
Density	ASTM D792	g/cm ³	0.923

Typical properties¹

Feature	Method	Units	Values
Tensile Strength at Break MD/TD	ASTM D 882	MPa	30/20
Strain at Break MD/TD	ASTM D 882	%	290/550
Elasticity Modulus (Secant 1%) MD/TD	ASTM D 882	MPa	170/170
Elmendorf Tear Strength TD	ASTM D 1922	gF	260
Dart Drop Impact	ASTM D 1709/A	gF	140
Haze	ASTM D 1003	%	7

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 Remarks

1. Read the Safety Data Sheet before use.
2. 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.
3. In some application, Braskem IDESA has developed resins well-tailored to meet specific requirements.
4. In case of doubts regarding our product use for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com.
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.
8. For information regarding BPA, please consult the Regulatory Information Sheet (RIS).
9. For food contact information, including U.S. Food and Drug Administration (FDA) compliance, please refer to the Regulatory Information Sheet (RIS) available at www.braskemidesa.com.
10. For product stewardship and product safety information, please contact Braskem IDESA at product.safety@braskem.com.