

## 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:

Shrink film., bags and sacks, blown film, agricultural films and greenhouse coverings, industrial bags, blends with HDPE and LLDPE for extrusion and molding process, bottles for consumer goods.

### Processes:

Blown Film Extrusion, Injection molding

### Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	0.250
Density	ASTM D792	g/cm <sup>3</sup>	0.921

### Typical properties<sup>1</sup>

Feature	Method	Units	Values
Tensile Strength at Break MD/TD	ASTM D 882	MPa	30/22
Strain at Break MD/TD	ASTM D 882	%	260/550
Elasticity Modulus (Secant 1%) MD/TD	ASTM D 882	MPa	200/230
Elmendorf Tear Strength TD	ASTM D 1922	gF	180
Dart Drop Impact	ASTM D 1709/A	gF	200
Haze	ASTM D 1003	%	13

<sup>1</sup> 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. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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