

Linear Low Density Polyethylene HF2007

Description:

HF2007 is a Linear Low Density Polyethylene developed for blown film extrusion. Films obtained with this product show high impact and puncture resistance. It contains processing aid and antioxidant additives.

Applications:

Stretch film; high COF film and LDPE blends.

Process:

HF2007 must be processed in blown extruder, adjusted to this polymer. The excellent conditions of processing in accordance with the type of used equipment, but the best results are gotten with 180 to 210°C extrusion temperature.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.160)	D 1238	g/10 min	0.73
Density	D 792	g/cm ³	0.920

Typical Properties:

Blown Film Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	45/40
Elongation at Break (MD/TD)	D 882	%	1260/1530
Haze ^b	D 1003	%	17
Gloss - Angle 45° ^b	D 2457	%	66

(a) 100 µm thickness film, processed in a 70mm screw diameter extruder with blow up ratio of 2.2:1; die gap 1.8mm and 150Kg/h output.

(b) 130 µm thickness film, processed in a 70mm screw diameter extruder, with blow up ratio of 2.2:1; die gap 1.8mm and 150Kg/h output.

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 25213-02-9.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.