

Linear Low Density Polyethylene LF0720/20AF

Description:

LF0720/21AF is a LLDPE. It shows excellent optical properties associated with good balance of mechanical properties, processing performance and sealability. This resin contains Antioxidant, Antiblocking and Processing Aid additive.

Applications:

Heavy-duty bags; liners; LDPE and HDPE blends; packages for general use.

Process:

Blown Film Extrusion.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	0.70
Density	D 792	g/cm3	0.921

Typical Properties:

Blown Film Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/35
Elongation at Break (MD/TD)	D 882	%	1220/1410
Tensile Modulus – 1% Secant	D 882	MPa	190/210
Dart Drop Impact	D 1709	g/F50	270
Elmendorf Tear Strength (MD/TD)	D 1922	gF	270/1000
Haze	D 1003	%	17
Gloss - Angle 60°	D 2457	%	100

(a) 100 µm Film Gauge, obtained in 40 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction).

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: 25087-34-7.
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.