



Linear Low Density Polyethylene

UF 1820T

Density
Melt Index

0.922
2.0

CHARACTERISTIC:

- Butene copolymer
- High slip/antiblock
- High Clarity
- Good toughness and openability
- Good Impact strength

APPLICATION:

- Blown film
- Cover sheet
- Inner liner
- Garment sack
- Rice bags
- Transparent film

Physical Properties	Test Method*	Unit	Value
RESIN PROPERTIES			
Density	ASTM D 1505	g/cm ³	0.922
MI (190 °C/2.16 kg)	ASTM D 1238	g/10 min.	2.0
Vicat softening temperature	ASTM D 1525	°C	101
Brittleness temperature	ASTM D 746	°C	< -70
FILM PROPERTIES (@ 30 micron, BUR = 2.0 : 1)			
Dart drop impact, F ₅₀	ASTM D 1709	g	70
Elmendorf tear strength, MD/TD**	ASTM D 1922	kgf/cm	30 / 150
Tensile strength @ break, MD/TD	ASTM D 882	MPa	40 / 20
Elongation @ break, MD/TD	ASTM D 882	%	750 / 800
Haze	ASTM D 1003	%	15
Gloss, 45°	ASTM D 2457	%	60
Clarity	ASTM D 1003	%	65
Coefficient of Friction (COF)	ASTM D 1894	-	0.10
Blocking resistance	ASTM D 3354	gf/100 cm ²	70

*Polyethylene tested per ASTM D 1928

**MD: Machine Direction TD: Transverse Direction

Conversions: 1 MPa = 10.2 kgf/cm²
1 kJ/m² = 0.01 kgf.cm/mm²

Recommended Processing Conditions:

Melt Temperature 170 - 200 °C
Blow-up Ratio 1.5 - 3.5

This material complies with recommendations & statutory regulations in the USA, Japan and most European countries regarding packaging materials intended to come in contact with foodstuff.

The nominal properties reported herein are typical of the product of CAPC but do not reflect normal testing variance and therefore should not to be construed as specifications.

CAPC reserves the right to make any improvement or amendments to the composition of any grade or product without alteration to the product code.

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This technical datasheet is effective as from Nov 2009 and supersedes all previously published data.



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