

## Linear Low Density Polyethylene LL22B02

LLDPE 22B02 is a linear low density polyethylene with 1-Butene as comonomer. It has high stiffness making it suitable for usage in high stiffness blown and cast films, blending and lamination.

### Features

- Tubular Resin
- Good mechanical properties
- Wide processing range

### Applications

- Heavy Duty Sacks
- Heavy Duty Shrink film
- Agricultural Film
- Blending with LLDPE

### Additives

- Antioxidant

Typical properties (not to be construed as specifications)		Value (SI)	Value (English)	Method
<b>Resin Properties</b>	Melt Index (190°C/2.16kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
	Density	0.922 g/cm <sup>3</sup>	0.922 g/cm <sup>3</sup>	ASTM D1505
	Base Density <sup>(1)</sup>	0.922 g/cm <sup>3</sup>	0.922 g/cm <sup>3</sup>	Sasol Method
<b>Film Properties</b>	Tensile strength at yield MD	1600 psi	11 MPa	ASTM D882
	Tensile strength at yield TD	1500 psi	10 MPa	ASTM D882
	Tensile strength at break MD	3600 psi	25 MPa	ASTM D882
	Tensile strength at break TD	3100 psi	21 MPa	ASTM D882
	Elongation MD	100 %	100 %	ASTM D882
	Elongation TD	540 %	540 %	ASTM D882
	1% Secant Modulus MD	26000 psi	180 MPa	ASTM D882
	1% Secant Modulus TD	35000 psi	240 MPa	ASTM D882
	Elmendorf Tear MD	340 g	340 g	ASTM D1922
	Elmendorf Tear TD	120 g	120 g	ASTM D1922
	Dart Drop Impact Strength (F <sub>50</sub> )	180 g	180 g	ASTM D1709A
	Haze	15 %	15%	ASTM D1003
	Gloss (45°)	39	39	ASTM D2457

(1) Base density is calculated assuming that the product doesn't contain any antiblock additive.

The above values were measured on a 2 mil (50.8 µm) film produced on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 BUR using a die gap of 30 mil (0.8mm) die gap.

