

Product data sheet

LT 033

Low Density Polyethylene for film extrusion

LDPE: LT033 Density: 0.921 g/cm³ MF/: 0.33 g/10min

Features

- ~ Tubular resin
- ~ Good mechanical properties
- ~ High impact strength
- ~ High tear strength
- ~ Wide processing range

Applications

- ~ Heavy duty shrinkfilm (> 100µm)
- ~ Heavy duty sacks
- ~ Agriculture/ film
- ~ Thickfilm

Additives

- ~ Antioxidant

Material properties (typical values not to be construed as specifications)

fv1F(190°C/2. J6kg)		0.33	g/10min	PTM058	ASTM01238
Nominal density		0.927	g/cm ³	PTM002	ASTM01505
Tensile strength at yield	MO	17	MPa	PTM006	ASTM0882
	TD	10	MPa	PTM006	ASTM0882
Tensile strength at break	MO	23	MPa	PTI006	ASTM0882
	TD	20	MPa	PTI006	ASTM0882
Elongation	MD	570	%	PTM006	ASTM0882
	TD	610	%	PTI006	ASTM0882
Elmendorf test	MO	3	q/um	PTM009	ASTIv107922
	TD	5	q/um	PTM009	ASTM01922
Impact strength		300	F.5eg	PTM066	ASTM07709

The above values were measured on 700µm film produced on a 65mm Macchi extruder with a Macchi LDPE screw and a 250mm die, using 218°C melt temperature, 625mm FLH, 2.5: 1 blow ratio and a die gap of 0.8mm.