

Description

LDPE 1022 FH 24 is a low density polyethylene produced by a high pressure process.

LDPE 1022 FH 24 is a slip and anti-block formulated grade.

LDPE 1022 FH 24 is suited to many applications in the field of consumer, industrial, food or hygiene packaging such as bags, lamination and coextrusion film.

Characteristics

Property	Method	Unit	Typical value
Density	ISO 1183	g/cm ³	0.923
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10 min	2.3
Melting temperature	ISO 11357	°C	109
Vicat temperature	ISO 306	°C	94

Values indicated are typical for this product. Density and MFR are properties routinely measured during "the standard quality control procedure". The other figures are generated by tests not included in the "standard quality control procedure", and are given for information only. Data are not intended for specification purposes.

Additives

Type	Additive	Typical value
Antioxidant	-	-
Anti blocking additive	Talc	750 ppm
Slip agent	Erucamide	750 ppm

Processing

Advised temperature profile: 150 to 190°C.

The possible range of film thickness is 20 to 150 µm, depending on extrusion conditions.

Blown film properties

These values have been measured on a 40 µm blown film.

Property	Method	Unit	Typical value (*)
Tensile Strength at Yield MD/TD (**)	ISO 527-3	MPa	12/11.5
Tensile Strength at Break MD/TD (**)	ISO 527-3	MPa	22/20
Elongation at Break MD/TD (**)	ISO 527-3	%	350/580
Elmendorf MD/TD (**)	ISO 6383-2	N/mm	72/60
Dart test	ISO 7765-1	g	95
Haze	ISO 14782	%	8

(*) Figures stated hereabove are obtained using laboratory test specimens produced with the following extrusion conditions: 45 mm screw diameter, L/D = 30, die diameter = 120 mm, die gap = 1.4 mm, BUR = 2.5:1, temperature = 185°C.

(**) MD : Machine Direction TD : Transverse Direction