Producer: Quattor / Brazil

EF-2126 S3

Description:

Low Density Polyethylene produced under high pressure conditions in an autoclave reactor. It offers excellent processability and outstanding optical properties. This resin contains slip and antiblock additives.

Applications:

This resin is recommended for use in extrusion of films for general purposes, technical films for automatic packaging and blends with LLDPE.

PROPERTIES	VALUE	UNIT	ASTM METHOD
RESIN			
Melt Index (190°C/2.16kg)	2,60	g/10min	D-1238
Density	0,921	g/cm³	D-1505/2839
OPTICAL			
Haze	6,5	%	D-1003
Gloss 60°	10,0	%	D-2457
FILM[A]			
Tensile Strength At Break (MD/TD)	25/18	MPa	D-882
Elongation at Break (MD/TD)	294/1021	%	D-882
1% Secant Modulus (MD/TD)	155/196	MPa	D-882
Elmandorf Tear Resistance (MD/TD)	419/114	gf	D-1922
Dart Impact Resistance	93	gf/50%f	D-1709
Kinetic Coefficient of Friction (COF)	0,09	-	D-1894
MECHANICAL[B]			
Tensile Strength at Break	10	Mpa	D-638
Elongation at Break	758	%	D-638
THERMAL			
Melt Temperature	113	°C	D-3417/3418
Vicat Softening Temperature (10N/120°C/h)	90	°C	D-1525

Comments:

[A]: Obtained in 70 mm extruder, blow up ratio 2,2: 1, die gap 1,2 mm and 38µm thickness.

[B]: According to ASTM-D 4703, annex 1 procedure C.

Recommended processing conditions:

Temperature Profile 150 to 165°C, minimum thickness 30 microns single layer, blow up ratio 2,0 to 4,0: 1.