

Braskem PE EF2126S3

Low Density Polyethylene

Braskem

Message:

EF2126S3 is a Low Density Polyethylene produced under high pressure conditions in an autoclave reactor. It offers excellent processability and optical properties.

Additives:

This resin contains slip and antiblock additives

Application:

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

Process:

Blow Film Extrusion.

General Information	
Additive	Anti-caking agent slip agent
Features	Low density smoothness Optical Anti-caking property Workability, good General
Uses	Packaging Films Mixing General
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD: 38 µm	160	MPa	ASTM D882
1% secant, TD: 38 µm	200	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	25.0	MPa	ASTM D882

TD: Fracture, 38 μm	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 μm	290	%	ASTM D882
TD: Fracture, 38 μm	1000	%	ASTM D882
Dart Drop Impact ¹ (38 μm)	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	420	g	ASTM D1922
TD : 38 μm	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 μm)	100		ASTM D2457
Haze	7.0	%	ASTM D1003
Extrusion instructions			
Recommended Blow Film Extrusion Conditions:Temperature Profile: 150°C to 165°CMass Temperature: 160°C to 165°CBlow up Ratio: 2.0 to 4.0 : 1Die Gap: 1.0 mmMinimum thickness:30 microns			
NOTE			
1.	F50		

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