

# PROXESS 1806S3

Linear Low Density Polyethylene

Braskem

Message:

Braskem PROXESS1806S3 is a copolymer produced through metallocene catalyst that shows excellent processability, as well as tear strength and sealing when comparing to conventional LLDPE. These properties make this product a versatile option for both monolayer and multilayer films.

Applications:

High-performance technical films for automatic packaging of liquids and solids, co-extrusion and general uses

Additives:

Antioxidant

Slip

Anti-blocking

Processing Aid

Process:

Blown film extrusion

General Information			
Additive	Processing aid		
	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	Copolymer		
	smoothness		
	Anti-caking property		
	Antioxidation		
	Workability, good		
	Good tear strength		
Uses	Blown Film		
	Packaging		
	Films		
	Multilayer film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
	Co-extruded film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882

MD: Fracture	30.0	MPa	ASTM D882
TD: Fracture	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	620	%	ASTM D882
TD: Fracture	850	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	140	MPa	ASTM D790
1% Secant, TD	140	MPa	ASTM D790
Dart Drop Impact	410	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	150	g	ASTM D1922
TD	880	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	67		ASTM D2457
Haze	10	%	ASTM D1003

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