Braskem PE LL5400S

Linear Low Density Polyethylene

Braskem

Message:

LL5400S is a Linear Low Density Polyethylene developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives.
Applications:
Liners; LDPE and HDPE blends and packages for general use.
Others applications: blends for irrigation pipes.
Process:
Recommended processing conditions for film extrusion about 170 - 210 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

General Information	
Additive	Antioxidation
Features	Low speed solidification crystal point Optical Antioxidation Workability, good
Uses	Blown Film Packaging Films Lining Piping system Mixing
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Film extrusion Blow film

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD: Broken, 38 µm, blown film	40.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	1100	%	ASTM D882
TD: Broken, 38 µm, blown film	1400	%	ASTM D882

Flexural Modulus			ASTM D790
1% Secant, MD : 38 µm, Blown Film	170	MPa	ASTM D790
1% Secant, TD : 38 µm, Blown Film	200	MPa	ASTM D790
Dart Drop Impact (38 µm, Blown Film)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	100	g	ASTM D1922
TD: 38 µm, blown film	400	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 µm, Blown Film)	110		ASTM D2457
Haze (38.0 µm, Blown Film)	10	%	ASTM D1003

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China