

PLURIS 4303

Linear Low Density Polyethylene
Braskem

Message:

Pluris4303 is a Braskem Quaterpolymer produced with Spherilene technology. This grade show unique properties, such as high stiffness associated with toughness. In addition to good processability, also shows a very good bubble stability and very low gel content.

Applications:
Thin films and automatic packaging which require higher stiffness: textile products, toilet paper and others.

Additive:
Antiblocking medium
Slip medium

Process:
Blown Film Extrusion

General Information			
Additive	Moderate caking resistance		
	Moderate smoothness		
Features	Low speed solidification crystal point		
	Rigidity, high		
	Workability, good		
	Good toughness		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Blown Film		
	Packaging		
	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Broken, 40 µm, blown film	30.0	MPa	ASTM D882
TD: Broken, 40 µm, blown film	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 40 µm, blown film	700	%	ASTM D882
TD: Broken, 40 µm, blown film	1300	%	ASTM D882
Flexural Modulus			ASTM D790

1% Secant, MD : 40 µm, Blown Film	240	MPa	ASTM D790
1% Secant, TD : 40 µm, Blown Film	300	MPa	ASTM D790
Elmendorf Tear Strength			ASTM D1922
MD: 40 µm, blown film	30	g	ASTM D1922
TD: 40 µm, blown film	1100	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 40.0 µm, Blown Film)	57		ASTM D2457
Haze (40.0 µm, Blown Film)	15	%	ASTM D1003

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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

