

## Linear Low Density Polyethylene LL4405S

**Description:**

LL4405S is a Linear Low Density Polyethylene developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good mechanical properties and processability. Very low gel amount. Additive: -Antiblocking - High -Slip - High

**Applications:**

Bags, Blends with HDPE, Blends with LDPE, Low thickness film

**Control Properties:**

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.0
Density	D 792	g/cm <sup>3</sup>	0.922

**Typical Properties - Films:**

Blown Film Properties<sup>a</sup>

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	30/20
Elongation at Break (MD/TD)	D 882	%	1100/1300
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	200/220
Dart Drop Impact	D 1709	g/F50	75
Elmendorf Tear Strength (MD/TD)	D 1922	gF	60/800
Haze	D 1003	%	25
Gloss - Angle 45°	D 2457	%	35
Gloss - Angle 60°	D 2457	%	65
COF internal 72h	D 1894	-	0.12
Blocking Load	D 3354	gf/100cm <sup>2</sup>	6

(a) Film with 40 microns produce in a 40mm extruder and a blow-up ratio of 2.2:1. (MD = extrusion direction and TD = transversal direction).

**Final Remarks:**

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.