

# Braskem PE HD3000S

High Density Polyethylene

Braskem

Message:

HD3000S is a High Density Polyethylene, ideal for cast film extrusion. It offers high processability and stiffness.

Applications:

Cast film extrusion for diapers; hygienic absorbers and other specialties.

Additives:

It contains fenol free antioxidant additive

Process:

Cast film extrusion.

General Information			
Additive	Antioxidation		
Features	Rigid, good		
	Antioxidation		
	Workability, good		
Uses	Hygiene		
	Films		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.959	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	25.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	730	%	ASTM D882
TD: Broken, 25 µm, blown film	350	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 25 µm, Blown Film	750	MPa	ASTM D790
1% Secant, TD : 25 µm, Blown Film	820	MPa	ASTM D790
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	5.0	g	ASTM D1922
TD: 25 µm, blown film	10	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method

Gloss (60°, 25.0 µm, Blown Film)	52		ASTM D2457
Haze (25.0 µm, Blown Film)	50	%	ASTM D1003

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#### Recommended distributors for this material

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