

DOWLEX™ NG 5085B

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ NG 5085B is a Linear Low Density Polyethylene, 1-Octene copolymer, produced in the SOLUTION™ technology. This resin presents better processability than conventional linear low density polyethylenes, with outstanding gloss and clarity maintaining the excellent mechanical properties and sealability of DOWLEX resins.

Main Characteristics:

Film for lamination

Film for form, fill and seal

Film of low thickness

Film for coextrusion

Film with high gloss and clarity

Complies with:

U.S. FDA 21 CFR 177.1520 (c) 3.2a

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Additive	Anti-caking agent (2500 ppm) Sliding agent (1000 ppm)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Puncture Resistance (50 µm)	9.60	J/cm ³	Internal method
Tensile Strength			ASTM D882
MD: Yield, 50 µm	8.10	MPa	ASTM D882
TD: Yield, 50 µm	10.3	MPa	ASTM D882
MD: Break, 50 µm	25.8	MPa	ASTM D882
TD: Break, 50 µm	24.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 µm	720	%	ASTM D882
TD: Break, 50 µm	730	%	ASTM D882
Dart Drop Impact (50 µm)	470	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	1100	g	ASTM D1922
TD : 50 µm	1200	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	62		ASTM D2457
Haze (50.0 µm)	11	%	ASTM D1003

Additional Information

吹塑薄膜的加工条件:

模具间隙:1.8 mm

温度:180°C - 200°C - 210°C

输出:116 kg/h

螺杆速度:82 rpm

挤出压力:298 巴

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