

DOWLEX™ SC 2108G

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ 2108G Linear Low Density Polyethylene Resin is suitable for the production of cast films with high stiffness, good tear strength and outstanding toughness. It can be used in skin layers of coextruded cast films made from DOWLEX resins to provide a surface with good slip properties.

Complies with:

EU No 10/2011

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

Canadian HPFB No Objection

Consult the regulations for complete details.

Slip Additive: No

Antiblock Additive: No

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Extrusion coating		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Yield, 25 µm	13.0	MPa	ASTM D882
TD: Yield, 25 µm	13.0	MPa	ASTM D882
MD: Break, 25 µm	43.0	MPa	ASTM D882
TD: Break, 25 µm	28.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	700	%	ASTM D882
TD: Break, 25 µm	830	%	ASTM D882
Dart Drop Impact (25 µm)	> 60	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	35	g	ASTM D1922
TD : 25 µm	640	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	118	°C	ASTM D1525

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm)	89		ASTM D2457
Haze (25.0 µm)	3.1	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	220 - 280	°C	
Extrusion instructions			

铸造薄膜的制造条件:
熔体温度:220 - 280°C
冷却辊(主/次)温度 20 - 60°C
生产线速度:150 - 300 米/分
建议的厚度范围:10 - 60 µm

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