

ELITE™ 5230G

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

ELITE™ 5230G Enhanced Polyethylene Resin is produced via INSITE™ Technology from Dow. This resin offers high impact strength and good puncture resistance at moderate stretch levels for irregularly shaped loads. In addition, this resin provides excellent extensibility for higher yields on regular loads.

Excellent extensibility

High impact and puncture resistance

Complies with:

U.S. FDA FCN 424

Canadian HPFB No Objection

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA FCN 424		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Processing Method	cast film		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Film Puncture Force ¹ (20 µm)	48.9	N	Internal method
Film Puncture Resistance (20 µm)	27.0	J/cm ³	Internal method
Tensile Strength			ASTM D882
MD: Yield, 20 µm	9.07	MPa	ASTM D882
TD: Yield, 20 µm	8.39	MPa	ASTM D882
MD: Break, 20 µm	46.0	MPa	ASTM D882
TD: Break, 20 µm	38.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 20 µm	540	%	ASTM D882
TD: Break, 20 µm	720	%	ASTM D882
Dart Drop Impact (20 µm)	320	g	ASTM D1709B
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm	310	g	ASTM D1922
TD : 20 µm	510	g	ASTM D1922

Final stretch ² (20.3 μm)	330	%	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	122	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.3 μm)	95		ASTM D2457
Haze (20.3 μm)	0.50	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	271	°C	
Extrusion instructions			
铸造薄膜的制造条件: 模具间隙:20 密尔 (0.50 mm) 熔体温度:520°F (271°C) 气隙:3 英寸 (7.6cm) 脱离速度:600 fpm(183 米/分)			
NOTE			
1.	250% pre-stretch; Test on pallet.		
2.	Test on pallet		

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