

DOWLEX™ 2056G

Polyethylene Resin
The Dow Chemical Company

Message:

Linear Low Density Polyethylene
Improved thermal stability
Complies with U.S. FDA 21 CFR 177.1520 (c) 3.2a.
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Puncture Energy	1.58	J	Internal method
Film Puncture Force	62.3	N	Internal method
Film Puncture Resistance	25.2	J/cm ³	Internal method
Film strength			ASTM D882
MD	115	J/cm ³	ASTM D882
TD	128	J/cm ³	ASTM D882
secant modulus			ASTM D882
1% secant, MD	174	MPa	ASTM D882
2% secant, MD	160	MPa	ASTM D882
1% secant, TD	179	MPa	ASTM D882
2% secant, TD	165	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.7	MPa	ASTM D882
TD: Yield	12.0	MPa	ASTM D882
MD: Fracture	49.6	MPa	ASTM D882
TD: Fracture	41.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	700	%	ASTM D882
TD: Fracture	550	%	ASTM D882
Dart Drop Impact	220	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	400	g	ASTM D1922

TD	600	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	102	°C	ASTM D1525
Melting Temperature (DSC)	119	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	26		ASTM D2457
Haze	23	%	ASTM D1003
Extrusion instructions			

吹塑薄膜的制造条件:

螺杆尺寸:3.5 英寸

螺杆类型:DSB II

模具间隙:70 密尔 (1.8 mm)

熔体温度:419°F

输出:模具周长的 12 磅/小时/英寸

模具直径:8 英寸

放大比:2.5:1

螺杆速度:39 rpm

冷冻线高度:39 英寸

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