

# DOWLEX™ 5057GC

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ 5057GC is an ethylene and 1-octene copolymer, suitable for blown film applications alone or in blends with LDPE. It offers superior seal performance at high extrusion output rates and an excellent balance of optical and mechanical properties.

Main Characteristics:

Optimum extruder output and processability, pure or in blends

Combination of sealability and optical and mechanical properties

Complies with:

U.S. FDA FCN 424

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA FCN 424		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Dart Drop Impact (50 µm)	450	g	ASTM D1709A
Elmendorf Tear Strength <sup>1</sup>			ASTM D1922
MD : 50 µm	1100	g	ASTM D1922
TD : 50 µm	1100	g	ASTM D1922
Seal Initiation Temperature	98.0	°C	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	123	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	65		ASTM D2457
Haze (50.0 µm)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	220	°C	
Extrusion instructions			
吹塑薄膜挤出条件:			
熔体温度:220°C			
模具直径:150 mm			
模具间隙:1.5 mm			
放大比:2.5			
薄膜厚度:50 微米			
NOTE			

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