

ELITE™ 5538G

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

For high modulus blown film applications
Various industrial and consumer specialty films
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.2a
EU, No 10/2011
Consult the regulations for complete details.

General Information			
Agency Ratings		FDA 21 CFR 177.1520(c) 3.2a	
		Europe No 10/2011	
Forms		Particle	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.941	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 Thickness - Tested	51	µm	
Film Puncture Force (51 µm)	46.0	N	Internal method
Tensile Strength			ASTM D882
MD: Fracture, 51 µm	44.0	MPa	ASTM D882
TD: Fracture, 51 µm	39.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 51 µm	1000	%	ASTM D882
TD: Fracture, 51 µm	1100	%	ASTM D882
Dart Drop Impact (51 µm)	99	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	82	g	ASTM D1922
TD : 51 µm	650	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	129	°C	Internal method
Extrusion	Nominal Value	Unit	
Melt Temperature	230	°C	
Extrusion instructions			

吹塑薄膜的制造条件:

螺杆尺寸:60/70 mm;30:1 L/D

螺杆类型:阻隔螺杆

模具间隙:2.3 mm

熔体温度:230°C

输出:150 Kg/h

模具直径:150 mm.

放大比:2.5:1

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