

ELITE™ 5960G1

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

Main Characteristics:

HDPE with excellent moisture barrier, low dusting propensity

Great processability; low back pressure and exceptional bubble stability

Complies with:

U.S. FDA 21 CFR 177.1520 (c) 2.2

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings		FDA 21 CFR 177.1520(c) 2.2	
		Europe No 10/2011	
Forms		Particle	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.962	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.85	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
2% secant, MD	850	MPa	ASTM D882
2% secant, TD	929	MPa	ASTM D882
Dart Drop Impact	130	g	ASTM D1709A
Elmendorf Tear Strength ¹			ASTM D1922
MD	41	g	ASTM D1922
TD	170	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Melting Temperature (DSC)	134	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	13		ASTM D2457
Haze	53	%	ASTM D1003
Extrusion instructions			
Fabrication Conditions For Blown Film:Screw Size: 3.5 inScrew Type: DSB IIDie Gap: 70 mil (1.7 mm)Melt Temperature: 425°FOutput: 12 lb/hr/in of die circumferenceDie Diameter: 8 in.Blow-Up Ratio: 2.5 to 1Frost Line Height: 33 in.			
NOTE			

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