

ELITE™ 5800G

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

ELITE™ 5800G is an Enhanced Polyethylene Resin for Extrusion.

Main Characteristics:

High performance sealant

Designed for use on typical extrusion coating hardware

Robust extrusion and melt drawing performance for high capacity operations

Complies with:

U.S. FDA, Unspecified Rating

EU, No 10/2011

Canadian HPFB No Objection

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA Food Contact, Unspecified Rating		
	HPFB (Canada) No Objection		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.911	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Modulus - 2% Secant	134	MPa	ISO 527-3
Tensile Stress			ISO 527-3
Yield	7.10	MPa	
Break	18.1	MPa	
Tensile Elongation (Break)	690	%	ISO 527-3
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525
Melting Temperature (DSC)	103	°C	Internal Method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	270 to 320	°C	
Draw Down ¹	350	m/min	Internal Method
Neck-in ² (290°C)	159.0	mm	Internal Method
NOTE			
1.	Acceleration from 15g/m ² at 100mpm.		
2.	25g/m ² at 100mpm.		

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