



ELITE™ 5800G

Enhanced Polyethylene Resin

Overview 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.

Additive • Antiblock: No • Slip: No • Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.911 g/cm ³	0.911 g/cm ³	ASTM D792
Base Density ¹	0.911 g/cm ³	0.911 g/cm ³	Dow Method
Melt Index (190°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 2% Secant	19400 psi	134 MPa	ISO 527-3
Tensile Stress			ISO 527-3
Yield	1030 psi	7.10 MPa	
Break	2630 psi	18.1 MPa	
Tensile Elongation (Break)	690 %	690 %	ISO 527-3
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	187 °F	86.0 °C	ASTM D1525
Melting Temperature (DSC)	217 °F	103 °C	Dow Method
Extrusion	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Temperature	518 to 608 °F	270 to 320 °C	
Draw Down ²	1200 ft/min	350 m/min	Dow Method
Neck-in ³ (554°F (290°C))	6.3 in	159.0 mm	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Base density is estimated using the assumption that every 1000 ppm of antiblock in the finished product raises the density of the polymer by 0.0006 g/cm³. Base density is the estimated density of the polymer if it did not contain any antiblock.

² Acceleration from 15g/m² at 100mpm.

³ 25g/m² at 100mpm.

