

ELITE™ 5538G **Enhanced Polyethylene Resin**

Overview

- For high modulus blown film applications
- · Various industrial and consumer specialty films
- · Complies with:
 - U.S. FDA 21 CFR 177.1520 (c) 3.2a Europe EU-Directive 2002/72/EC

 - Consult the regulations for complete details.

0.941 g/cm³ 1.3 g/10 min Nominal Value (English)	0.941 g/cm³ 1.3 g/10 min	ASTM D792
-	1.3 g/10 min	4 OTM D 4600
Nominal Value (English)		ASTM D1238
ra.do (Englion)	Nominal Value (SI)	Test Method
2.01 mil	51.0 μm	
10.3 lbf	46.0 N	Dow Method
		ASTM D882
6380 psi	44.0 MPa	
5660 psi	39.0 MPa	
		ASTM D882
1000 %	1000 %	
1100 %	1100 %	
99 g	99 g	ASTM D1709A
		ASTM D1922
82 g	82 g	
650 g	650 g	
Nominal Value (English)	Nominal Value (SI)	Test Method
264 °F	129 °C	Dow Method
Nominal Value (English)	Nominal Value (SI)	
446 °F	230 °C	
	2.01 mil 10.3 lbf 6380 psi 5660 psi 1000 % 1100 % 99 g 82 g 650 g Nominal Value (English) 264 °F Nominal Value (English)	2.01 mil 51.0 μm 10.3 lbf 46.0 N 6380 psi 44.0 MPa 5660 psi 39.0 MPa 1000 % 1000 % 1100 % 1100 % 99 g 99 g 82 g 82 g 650 g 650 g Nominal Value (English) Nominal Value (SI) 264 °F 129 °C

Extrusion Notes

Fabrication Conditions For Blown Film:

- Screw Size: 60/70 mm; 30:1 L/D
- Screw Type: barrier screwDie Gap: 2.3 mm
- Melt Temperature: 230°C
- Output: 150 Kg/hr
- Die Diameter: 150 mm.
- Blow-Up Ratio: 2.5:1

Notes

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

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