



Technical Data Sheet

ELITE™ AT 6900 Enhanced Polyethylene Resin

Main Characteristics

- Enhanced polyethylene resin 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
- Canadian HPFB No Objection

Sustainability Attribute:



Consult the regulations for complete details.

Properties¹

Physical	Nominal Value	Unit	Test Method ²
Density	0.969	g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Films			
Film Thickness - Tested	50	µm	
Secant Modulus			ASTM D882
2% Secant, MD	1090	MPa	
2% Secant, TD	1520	MPa	
Elmendorf Tear Strength ³			ASTM D1922
MD	30	g	
TD	50	g	
Thermal			
Melting Temperature (DSC)	134	°C	Internal Method
Optical			
Gloss (45°)	20		ASTM D2457
Haze	44.0	%	ASTM D1003

1. Typical properties: these are not to be construed as specifications.
2. ASTM: American Society for Testing and Materials.
3. Method B.



Properties (Cont.)

Extrusion Notes	Nominal Value	Unit	Test Method
Fabrication Conditions for Blown Film:			
• Screw Size: 3.5 in			
• Screw Type: DSB II			
• Die Gap: 70 mil (1.7 mm)			
• Melt Temperature: 439°F			
• Output: 10.4 lb/hr/in of die circumference			
• Die Diameter: 8 in.			
• Blow-up Ratio: 2.5 to 1			
• Frost Line Height: 34 in.			

