

Technical Data Sheet

| ELITE™ AT 6202

Enhanced Polyethylene Resin

Description

ELITE™ AT 6202 Enhanced Polyethylene Resin is an enhanced LLDPE ethylene-octene copolymer from Dow. This grade is a fully formulated sealant resin designed for demanding applications where hot tack strength is a key requirement.

Main Characteristics

High Hot Tack Strength

Broad Hot Tack Window

Low Heat Seal Initiation Temperature

High Throughput Resin with excellent bubble stability

Technical Specification

Antiblock: 1875 ppm Slip: 750 ppm Processing Aid: Yes

Properties	Typical value	Test method
Density	0.908g/cm ³	ASTM D792
Melt index	0.85g/10min (190°C/2.16kg)	ASTM D1238
Peak melting temperature	106°C	DOW method
Tensile strength at yield MD	7.93 Mpa	ASTM D882
Tensile strength at yield TD	7.79 Mpa	ASTM D882
Tensile strength at break MD	49.0 Mpa	ASTM D882
Tensile strength at break TD	40.0 Mpa	ASTM D882
Elongation at break MD	450%	ASTM D882

Elongation at break TD	600%	ASTM D882
Secant modulus MD - 2% secant	68.9 Mpa	ASTM D882
Secant modulus TD - 2% secant	77.2 Mpa	ASTM D882
Dart drop impact	1000g	ASTM D1709A
Elmendorf tear strength MD	210g	ASTM D1922
Elmendorf tear strength TD	430g	ASTM D1922
Puncture force	54.3N	DOW method
Puncture energy	4.29J	DOW method
Gloss (45°C)	63	ASTM D2457
Haze	7.9%	ASTM D1003

Extrusion Notes

Fabrication Conditions For Blown Film:

Screw Size: 3.5 in. (88.9 mm); 30:1 ratio L/D

Screw Type: DSB II

Die Gap: 70 mil (1.8 mm)

Melt Temperature: 433°F (223°C)

Output: 11.9 lb/hr/in. of die circumference

Die Diameter: 8 in.

Blow-Up Ratio: 2.5:1

Frost Line Height: 52 in. (1321mm)

Notes

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