

Borealis® FT6236

FT6236 is a low density polyethylene based on the tubular technology for film extrusion and foam.

Cas No. 9002-88-4

FT6236 contains:

Antiblocking agent: 800 ppm

Slip agent: 550 ppm

Antioxidant: Yes

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ISO 1183-1
Melt Flow	2.00 g/10 min @Load 2.16 kg, Temperature 190 °C	2.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133-1
Antiblock Level	800 ppm	800 ppm	
Slip Level	550 ppm	550 ppm	
Storage Temperature	<= 50.0 °C	<= 122 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	400 %	400 %	ISO 527-3
Film Elongation at Break, TD	600 %	600 %	ISO 527-3
Tensile Modulus	0.190 GPa	27.6 ksi	MD; ASTM D882
	0.210 GPa	30.5 ksi	TD; ASTM D882
Coefficient of Friction	0.200	0.200	film/film; ISO 8295
Elmendorf Tear Strength MD	235 g	235 g	ISO 6383-2
Elmendorf Tear Strength TD	255 g	255 g	ISO 6383-2
Dart Drop Test	100 g	0.221 lb	ISO 7765-1
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ISO 527-3
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	ISO 11357-3
Vicat Softening Point	95.0 °C @Load 1.02 kg	203 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	8.00 %	8.00 %	ASTM D1003
Gloss	70.0 %	70.0 %	ASTM D245