

Borealis® FT6230

FT6230 is an unmodified low density polyethylene based on the tubular technology for film extrusion and foam. This grade is developed for the production of packaging film with good optical properties for medium duty film applications.

Cas No. 9002-88-4

FT6230 contains: No additives

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
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 D2457