

## Borealis Borstar® FB4250T LLDPE for Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

### Material Notes:

Borstar FB4250 is well suited for a wide range of film applications due to its properties. The well balanced mechanical properties will improve the functionality of the films or allow for material saving through down gauging compared to LDPE. Borstar FB4250T is especially well suited for film lines that are limited due to melt pressure. Typical applications are protection films, carrier bags, industrial liners and pouches, pouches, liners, etc. Borstar FB4250T is well suited for coextrusion due to its easy flow properties. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Borstar-FB4250T-LLDPE-for-Blown-Film.php](http://www.lookpolymers.com/polymer_Borealis-Borstar-FB4250T-LLDPE-for-Blown-Film.php)

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in <sup>3</sup>	ISO 1183
Thickness	70.0 microns	2.76 mil	
Melt Flow	0.40 g/10 min	0.40 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	2.0 g/10 min	2.0 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	650 %	650 %	ISO 527-3
Film Elongation at Break, TD	790 %	790 %	ISO 527-3
Secant Modulus, MD	0.260 GPa	37.7 ksi	ASTM D882-A
Secant Modulus, TD	0.310 GPa	45.0 ksi	ASTM D882-A
Coefficient of Friction	>= 0.50	>= 0.50	ISO 8295
Tear Strength, Total	4.50 N	1.01 lb (f)	MD; ISO 6383/3
	15.0 N	3.37 lb (f)	TD; ISO 6383/2
Dart Drop	3.85 g/micron	97.8 g/mil	ISO 7765/1
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ISO 527-3
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ISO 527-3

Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003-00
Gloss	70 %	70 %	ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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