Borealis PE FG5223

Linear Low Density Polyethylene

Borealis AG

Message:

FG5223 is a Butene Linear Low Density Polyethylene for Film Extrusion. Includes Antioxidant and Anti-block additives.
This grade is developed for production of lamination film. FG5223 has good heat sealing properties and hot tack strength. By mixing with FG5224 any desired level of friction can be obtained.

General Information			
Additive	Antiblock (1250 ppm) 2 Antioxidant		
Features	Antiblocking Antioxidant Butene Comonomer Good Heat Seal Hot Tack Strength		
Uses	Film Food Wrap Laminates Shrink Wrap		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (vs. Itself - Dynamic)	0.70		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	70	µm	
Secant Modulus			ASTM D882A
MD : 70 µm	145	MPa	
TD : 70 µm	165	MPa	
Tensile Strength			ISO 527-3
MD : 70 µm	29.0	MPa	
TD : 70 µm	28.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 70 µm	800	%	

TD : Break, 70 µm	1000	%	
Dart Drop Impact (70 µm)	260	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 70 µm	2.0	N	
TD : 70 µm	9.0	N	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 70.0 µm)	100		ASTM D2457
Haze (70.0 µm)	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	220 to 230	°C	

Recommended distributors for this material

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