Bormed™ TD109CF

Polypropylene Copolymer

Borealis AG

Message:

Bormed TD109CF is a propylene alpha olefin copolymer.
This grade is suitable for the manufacturing of unoriented cast films on chill roll process, blown films on tubular water quenching process as well as BOPP films.

General Information	
Features	Additive Free
	Broad Seal Range
	Copolymer
	Good Heat Seal
	Hot Tack Strength
	Low Blooming
	Low Moisture Vapor Transmission
	Low Temperature Heat Sealability
	Med.-Wide Molecular Weight Distrib.
	Opticals
	Steam Sterilizable
Uses	Cast Film
	Film
	Medical Packaging
Forms	Pellets
Processing Method	Blown Film
	Cast Film

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus (23°C, Injection Molded)	700	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	> 0.70		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-3
MD : 50 µm	470	MPa	
TD : 50 µm	490	MPa	
Tensile Strength			ISO 527-3
MD : 50 µm	30.0	MPa	

TD : 50 µm	20.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	450	%	
TD : Break, 50 µm	470	%	
Instrumented Dart Impact (50 µm, Total Energy)	12.0	J	ISO 7765-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	130	°C	ISO 11357-3
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (20°, 50.0 µm)	> 130		ASTM D2457
Haze (50.0 µm)	< 0.50	%	ASTM D1003

Recommended distributors for this material

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