

Grilon® BM 17

Polyamide

EMS-GRIVORY

Message:

Grilon® BM 17 is a Polyamide material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for blown film, cast film, extrusion, or film extrusion.

Important attributes of Grilon® BM 17 are:

- RoHS Compliant
- Copolymer
- Food Contact Acceptable
- High Viscosity
- Typical applications include:
 - Film
 - Coating Applications
 - Food Contact Applications
 - Packaging

General Information				
Features	Barrier Resin			
	Copolymer			
	Food Contact Acceptable			
	High Viscosity			
Uses	Cast Film			
	Coating Applications			
	Film			
	Non-oriented Film			
	Oriented Film			
	Packaging			
	Paper Coatings			
Agency Ratings	EU Food Contact, Unspecified Rating			
RoHS Compliance	RoHS Compliant			
Appearance	Clear/Transparent			
Forms	Granules			
Processing Method	Blown Film			
	Cast Film			
	Extrusion			
	Film Extrusion			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	100	--	cm³/10min	ISO 1133

Water Absorption				ISO 62
Saturation, 23°C	10	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	--	650	MPa	ISO 527-2
Coefficient of Friction (Dynamic)	0.80	--		ISO 8295
Films	Dry	Conditioned	Unit	Test Method
Tensile Stress				ISO 527-3
MD : Yield	25.0	--	MPa	
TD : Yield	25.0	--	MPa	
MD : Break	70.0	--	MPa	
TD : Break	60.0	--	MPa	
Tensile Elongation				ISO 527-3
MD : Yield	7.0	--	%	
TD : Yield	6.0	--	%	
MD : Break	400	--	%	
TD : Break	400	--	%	
Water Vapor Transmission Rate (23°C, 85% RH)	15	--	g/m ² /24 hr	DIS 15106-1/-2
Oxygen Transmission Rate				DIS 15105-1/-2
23°C ¹	110	--	cm ³ /m ² /bar/24 hr	
23°C ²	75	--	cm ³ /m ² /bar/24 hr	
Carbon Dioxide Transmission Rate				DIS 15105-1/-2
23°C ³	275	--	cm ³ /m ² /bar/24 hr	
23°C ⁴	290	--	cm ³ /m ² /bar/24 hr	
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁵	169	--	°C	ISO 11357-3
Optical	Dry	Conditioned	Unit	Test Method
Gloss (60°)	64	--		ISO 2813
Haze	19	--	%	ISO 14782
NOTE				
1.	0% RH			
2.	85% RH			
3.	0% RH			
4.	85% RH			
5.	10°C/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

