

## EMS-Grivory Grivory® BM 17 PA\*

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Product description: Grilon BM 17 natural is a medium viscosity multi-polyamide with a low melting point. Grilon BM 17 natural has the following features: High flexibility and toughness Very good orientation and thermoforming properties High shrinkage Very good transparency Low melting point (169°C) Low glass transition point (43°C) Application Examples: Grilon BM 17 natural has been specially developed for cast and blown films coextruded with temperature sensitive polymers (PVDC, EVOH). Grilon BM 17 natural is suitable for flexible packaging for foodstuffs e.g. (shrinkable) film for consumer packaging of meat, cheese, sausage or fish. Information provided by EMS Grivory

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_EMS-Grivory-Grivory-BM-17-PA.php](http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-BM-17-PA.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ISO 1183
Water Absorption	10 %	10 %	ISO 62
Moisture Absorption	3.00 %	3.00 %	ISO 62
Water Vapor Transmission	15.0 g/m <sup>2</sup> /day	0.966 g/100 in <sup>2</sup> /day	23°C/85%r.h.; DIS 15106-1/-2
Oxygen Transmission Rate	75.0 cc/m <sup>2</sup> /day	4.83 cc/100 in <sup>2</sup> /day	23°C/85%r.h.; DIS 15105-1/-2
	110 cc/m <sup>2</sup> /day	7.08 cc/100 in <sup>2</sup> /day	23°C/0%r.h.; DIS 15105-1/-2
Carbon Dioxide Transmission	275 cc-mm/m <sup>2</sup> -24hr-atm	699 cc-mil/100 in <sup>2</sup> -24hr-atm	23°C/0%r.h.; DIS 15105-1/-2
	290 cc-mm/m <sup>2</sup> -24hr-atm	737 cc-mil/100 in <sup>2</sup> -24hr-atm	23°C/85%r.h.; DIS 15105-1/-2
Melt Flow	100 g/10 min	100 g/10 min	(MVR) [cm <sup>3</sup> /10min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	25.0 MPa	3630 psi	ISO 527-3
Film Tensile Strength at Yield, TD	25.0 MPa	3630 psi	ISO 527-3
Film Elongation at Break, MD	400 %	400 %	ISO 527-3
Film Elongation at Break, TD	400 %	400 %	ISO 527-3
Film Elongation at Yield, MD	7.0 %	7.0 %	ISO 527-3
Film Elongation at Yield, TD	6.0 %	6.0 %	ISO 527-3
Tensile Modulus	0.650 GPa	94.3 ksi	conditioned; ISO 527-1/-2

Mechanical Properties <i>Dynamic</i>	Metric	English	Comments
Film Tensile Strength at Break, MD	70.0 MPa	10200 psi	ISO 527-3
Film Tensile Strength at Break, TD	60.0 MPa	8700 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	169 °C	336 °F	10°C/min; ISO 11357-1/-3

Optical Properties	Metric	English	Comments
Haze	19 %	19 %	ISO 14782
Gloss	64 %	64 %	60°; ISO 2813

Descriptive Properties	Value	Comments
Food contact	EU Requirements	
Form	Granules	
Packaging	Non oriented film	
	Oriented film	
	Paper coating	
Processing	Blown Film Extrusion	
	Film Extrusion	
	Other Extrusion	
Product Attributes	Barrier Properties	
	Co Polyamide	
	High viscosity	
Special Characteristics	Transparent	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China