

EMS-Grivory Grivory® BM 16 nat PA*

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Product description: Grilon BM 16 natural is a medium viscosity multi-polyamide with a low melting point. Grilon BM 16 natural has the following features: High flexibility and toughness Very good orientation and thermoforming properties High shrinkage Very good transparency Low melting point (164°C) Low glass transition point (44°C) Application Examples: Grilon BM 16 natural has been specially developed for cast and blown films coextruded with temperature sensitive polymers (PVDC, EVOH). Grilon BM 16 natural is suitable 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-16-nat-PA.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ISO 1183
Water Absorption	10 %	10 %	ISO 62
Moisture Absorption	3.00 %	3.00 %	ISO 62
Water Vapor Transmission	16.0 g/m ² /day	1.03 g/100 in ² /day	23°C/85%r.h.; DIS 15106-1/-2
Oxygen Transmission Rate	70.0 cc/m ² /day	4.51 cc/100 in ² /day	23°C/85%r.h.; DIS 15105-1/-2
	90.0 cc/m ² /day	5.80 cc/100 in ² /day	23°C/0%r.h.; DIS 15105-1/-2
Carbon Dioxide Transmission	200 cc-mm/m ² -24hr-atm	508 cc-mil/100 in ² -24hr-atm	23°C/0%r.h.; DIS 15105-1/-2
	300 cc-mm/m ² -24hr-atm	762 cc-mil/100 in ² -24hr-atm	23°C/85%r.h.; DIS 15105-1/-2
Melt Flow	100 g/10 min	100 g/10 min	(MVR) [cm ³ /10min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.500 GPa	72.5 ksi	conditioned; ISO 527-1/-2

Thermal Properties	Metric	English	Comments
Melting Point	164 °C	327 °F	10°C/min; ISO 11357-1/-3

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

Descriptive Properties	Value	Comments
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Descriptive Properties	Value requirements	Comments
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	
	Transparent Polyamide	
Special Characteristics	Transparent	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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