

EMS-Grivory Grivory® BM 20 SBG PA*

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Product description: Grilon BM 20 SBG is a lactam free multipolyamide. Grilon BM 20 SBG has the following features: Lactam freeGood transparency and glossGood flexibility and toughnessVery good thermoforming and shrink properties Application: Grilon BM 20 SBG is suitable for the production of coextruded blown and cast films. Grilon BM 20 SBG is suitable for the following applications: Flexible packaging for foodstuffs and especially suitable for medical packaging applications such as intravenous bags.Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-BM-20-SBG-PA.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ISO 1183
Water Absorption	6.0 %	6.0 %	ISO 62
Moisture Absorption	2.50 %	2.50 %	ISO 62
Water Vapor Transmission	20.0 g/m ² /day	1.29 g/100 in ² /day	23°C/85%r.h.; DIS 15106-1/-2
Oxygen Transmission Rate	25.0 cc/m ² /day	1.61 cc/100 in ² /day	23°C/0%r.h.; DIS 15105-1/-2
	70.0 cc/m ² /day	4.51 cc/100 in ² /day	23°C/85%r.h.; DIS 15105-1/-2
Carbon Dioxide Transmission	80.0 cc-mm/m ² -24hr-atm	203 cc-mil/100 in ² -24hr-atm	23°C/0%r.h.; DIS 15105-1/-2
	250 cc-mm/m ² -24hr-atm	635 cc-mil/100 in ² -24hr-atm	23°C/85%r.h.; DIS 15105-1/-2
Melt Flow	40 g/10 min	40 g/10 min	(MVR) [cm ³ /10min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	30.0 MPa	4350 psi	ISO 527-3
Film Tensile Strength at Yield, TD	28.0 MPa	4060 psi	ISO 527-3
Film Elongation at Break, MD	900 %	900 %	ISO 527-3
Film Elongation at Break, TD	900 %	900 %	ISO 527-3
Film Elongation at Yield, MD	10 %	10 %	ISO 527-3
Film Elongation at Yield, TD	10 %	10 %	ISO 527-3
Tensile Modulus	0.650 GPa	94.3 ksi	conditioned; ISO 527-1/-2
Tear Strength	50.0 kN/m	285 pli	Trouser Tear resistance MD; ISO

Mechanical Properties	Metric	English	6383-1 Comments
	75.0 kN/m	428 pli	Trouser Tear resistance TD; ISO 6383-1
Elmendorf Tear Strength MD	2040 g	2040 g	ISO 6383-2
Elmendorf Tear Strength TD	2040 g	2040 g	ISO 6383-2
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	200 °C	392 °F	10°C/min; ISO 11357-1/-3

Optical Properties	Metric	English	Comments
Gloss	130 %	130 %	60°; ISO 2813

Descriptive Properties	Value	Comments
Food contact	EU Requirements	
	FDA	
Form	Granules	
Gelboflex test [holes/m²], EMS	200	
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	

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