

EMS-Grivory Grivory® F 34 NL PA6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Grilon F 34 NL nat. 6019 is a medium viscosity PA 6 containing nucleation and lubrication suitable for the production of coex blown films and mono or coex cast films. Grilon F 34 NL nat. 6019 has been developed for flexible film applications. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-F-34-NL-PA6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	9.0 %	9.0 %	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
Tensile Modulus	0.750 GPa	109 ksi	conditioned; ISO 527-1/-2
	3.00 GPa	435 ksi	dry; ISO 527-1/-2

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1/-3

Optical Properties	Metric	English	Comments
Gloss	100 %	100 %	60°; ISO 2813

Descriptive Properties	Value	Comments
Food contact	EU Requirements	

Descriptive Properties	Value	Comments
Form	Granules	
Gelboflectest [holes/m ²], EMS	700	
Packaging	Non oriented film	
	Oriented film	
	Paper coating	
	Tubes	
Processing	Blown Film Extrusion	
	Film Extrusion	
	Other Extrusion	
Product Attributes	Barrier Properties	
	High viscosity	
	Nucleated	

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