

Grilon® F 34 NL

Polyamide 6

EMS-GRIVORY

Message:

Grilon® F 34 NL is a Polyamide 6 (Nylon 6) 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® F 34 NL are:

RoHS Compliant

Food Contact Acceptable

High Viscosity

Medium Viscosity

Nucleated

Typical applications include:

Film

Coating Applications

Food Contact Applications

Hose/Tubing

Packaging

General Information	
Additive	Nucleating Agent UV Stabilizer
Features	Barrier Resin Food Contact Acceptable High Viscosity Medium Viscosity Nucleated
Uses	Cast Film Coating Applications Film Non-oriented Film Oriented Film Packaging Paper Coatings Tubing
Agency Ratings	EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating
RoHS Compliance	RoHS Compliant
Forms	Granules
Processing Method	Blown Film

Cast Film
Extrusion
Film Extrusion

Multi-Point Data		Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	40.0	--	cm ³ /10min	ISO 1133
Water Absorption				ISO 62
Saturation, 23°C	9.0	--	%	
Equilibrium, 23°C, 50% RH	2.5	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000	750	MPa	ISO 527-2
Films	Dry	Conditioned	Unit	Test Method
Water Vapor Transmission Rate (23°C, 85% RH)	20	--	g/m ² /24 hr	DIS 15106-1/-2
Oxygen Transmission Rate				DIS 15105-1/-2
23°C ¹	25	--	cm ³ /m ² /bar/24 hr	
23°C ²	70	--	cm ³ /m ² /bar/24 hr	
Carbon Dioxide Transmission Rate				DIS 15105-1/-2
23°C ³	250	--	cm ³ /m ² /bar/24 hr	
23°C ⁴	80.0	--	cm ³ /m ² /bar/24 hr	
Gelboflex test	700	--	holes/m ²	Internal Method
ISO Type	PA 6, FR, 22-030	--		ISO 1874
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁵	220	--	°C	ISO 11357-3
Optical	Dry	Conditioned		Test Method
Gloss (60°)	100	--		ISO 2813
NOTE				
1.	0% RH			
2.	85% RH			
3.	85% RH			
4.	0% RH			
5.	10°C/min			

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