

Grilon® F 47 H NL nat 6020

Polyamide 6

EMS-GRIVORY

Message:

Grilon® F 47 H NL nat 6020 is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion.

Important attributes of Grilon® F 47 H NL nat 6020 are:

- RoHS Compliant
- Heat Stabilizer
- High Viscosity
- Nucleated
- UV Stabilized
- Typical applications include:
 - Automotive
 - Electrical/Electronic Applications
 - Hose/Tubing
 - Wire & Cable

General Information				
Additive		Heat Stabilizer		
		Nucleating Agent		
		UV Stabilizer		
Features		Barrier Resin		
		Heat Stabilized		
		High Viscosity		
		Nucleated		
Uses		Automotive Applications		
		Electrical/Electronic Applications		
		Tubing		
		Wire & Cable Applications		
RoHS Compliance		RoHS Compliant		
Appearance		Natural Color		
Forms		Granules		
Processing Method		Extrusion		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	15.0	--	cm ³ /10min	ISO 1133
Water Absorption				ISO 62
Saturation, 23°C	9.0	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000	750	MPa	ISO 527-2
Coefficient of Friction (Dynamic)	0.25	--		ISO 8295
Films	Dry	Conditioned	Unit	Test Method
Tensile Stress				ISO 527-3
MD : Yield	35.0	--	MPa	
TD : Yield	30.0	--	MPa	
MD : Break	100	--	MPa	
TD : Break	90.0	--	MPa	
Tensile Elongation				ISO 527-3
MD : Yield	15	--	%	
TD : Yield	15	--	%	
MD : Break	700	--	%	
TD : Break	700	--	%	
Elmendorf Tear Strength				ISO 6383-2
MD	10	--	N	
TD	10	--	N	
Trouser Tear Resistance				ISO 6383-1
MD	30.0	--	N/mm	
TD	30.0	--	N/mm	
Water Vapor Transmission Rate (23°C, 85% RH)	15	--	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	50	--	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	900	--	holes/m ²	Internal Method
ISO Type	PA6, FHS, 32-030/N	--		ISO 1874
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁵	222	--	°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			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

