Miramid® VEP30C

Polyamide 6

BASF Leuna GmbH

Message:

Miramid® VEP30C is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Europe for injection molding.
Important attributes of Miramid® VEP30C are:
Chemical Resistant
Crystalline
Good Stiffness
Impact Modified
Impact Resistant
Typical applications include:
Business/Office Goods
Engineering/Industrial Parts

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Additive	Impact Modifier Mold Release
Features	Crystalline Fuel Resistant Good Flow Good Impact Resistance Good Stiffness Grease Resistant High Rigidity Oil Resistant Solvent Resistant
Uses	Business Equipment Engineering Parts
Forms	Granules
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1300	--	kg/m³	ISO 1183 [1]
Water Absorption				ISO 62 [2]
Saturation	5.5	--	%	
Equilibrium	1.6	--	%	

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	7900	4600	MPa	ISO 527-2 [3]
Tensile Stress (Break)	135	100	MPa	ISO 527-2 [4]
Tensile Strain (Break)	5.0	10	%	ISO 527-2 [5]
Flexural Stress [6]	200	130	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA [7]
-30°C	15.0	--	kJ/m²	
23°C	25.0	30.0	kJ/m²	
Charpy impact strength				ISO 179/1eU [8]
-30°C	95.0	--	kJ/m²	
23°C	95.0	100	kJ/m²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2 [9]
0.45 MPa	215	--	°C	
1.8 MPa	205	--	°C	
Melting Temperature (DSC)	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Volume resistivity	1.0E+13	1.0E+10	ohms·m	IEC 60093 [10]
Dielectric Constant (1 MHz)	3.60	6.00		IEC 60250
Dissipation Factor (1 MHz)	0.020	0.20		IEC 60250 [11]
Comparative tracking index	550	--		IEC 60112 [12]
Injection	Dry	Unit		
Processing (Melt) Temp	260 to 290		°C	
Mold Temperature	80.0 to 100		°C	
NOTE				
1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
6.	Typical values for uncoloured product at 23°C			

7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
9.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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

WECHAT