

Miramid® DB1515C

Polyamide 6

BASF Leuna GmbH

Message:

Miramid® DB1515C is a Polyamide 6 (Nylon 6) material filled with filler. It is available in Europe for injection molding. Primary attribute of Miramid® DB1515C: Mold Release Agent.

General Information				
Filler / Reinforcement		Filler		
Additive		Mold Release		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1350	--	kg/m ³	ISO 1183 ¹
Water Absorption				ISO 62 ²
Saturation	6.0	--	%	
Equilibrium	1.8	--	%	
Viscosity number	150	--	cm ³ /g	ISO 307, 1157, 1628 ³
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	6200	3700	MPa	ISO 527-2 ⁴
Tensile Stress (Break)	120	70.0	MPa	ISO 527-2 ⁵
Tensile Strain (Break)	3.0	6.5	%	ISO 527-2 ⁶
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁷
-30°C	5.00	--	kJ/m ²	
23°C	6.00	9.00	kJ/m ²	
Charpy impact strength				ISO 179/1eU ⁸
-30°C	45.0	--	kJ/m ²	
23°C	45.0	60.0	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2 ⁹
0.45 MPa	215	--	°C	
1.8 MPa	200	--	°C	
Melting Temperature ¹⁰	220	--	°C	ISO 11357-3 ¹¹
Electrical	Dry	Conditioned	Unit	Test Method
Volume resistivity	1.0E+13	1.0E+10	ohms · m	IEC 60093 ¹²
Flammability	Dry	Conditioned	Unit	Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--		ISO 1210 ¹³

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.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
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.	10 °C/min
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.
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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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



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