

Miramid® SK2010CW

Polyamide 66

BASF Leuna GmbH

Message:

Miramid® SK2010CW is a Polyamide 66 (Nylon 66) material filled with filler. It is available in Europe for injection molding.

Important attributes of Miramid® SK2010CW are:

Heat Resistant

Mold Release Agent

General Information				
Filler / Reinforcement	Filler			
Additive	Mold Release			
Features	High Heat Resistance			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1360	--	kg/m ³	ISO 1183 ¹
Viscosity number	150	--	cm ³ /g	ISO 307, 1157, 1628 ²
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	9000	--	MPa	ISO 527-2 ³
Tensile Stress (Break)	120	--	MPa	ISO 527-2 ⁴
Tensile Strain (Break)	3.0	--	%	ISO 527-2 ⁵
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁶
-30°C	4.00	--	kJ/m ²	
23°C	4.50	--	kJ/m ²	
Charpy impact strength				ISO 179/1eU ⁷
-30°C	40.0	--	kJ/m ²	
23°C	40.0	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2 ⁸
0.45 MPa	250	--	°C	
1.8 MPa	250	--	°C	
Melting Temperature ⁹	260	--	°C	ISO 11357-3 ¹⁰
Electrical	Dry	Conditioned	Unit	Test Method
Volume resistivity	1.0E+13	--	ohms · m	IEC 60093 ¹¹
Relative Permittivity (1 MHz)	3.50	--		IEC 60250 ¹²
Dissipation Factor (1 MHz)	0.015	--		IEC 60250 ¹³
Flammability	Dry	Conditioned	Unit	Test Method

Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--	ISO 1210 ¹⁴
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.	10 °C/min		
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.		
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		
14.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.		

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