

Miramid® SX30C

Polyamide 66

BASF Leuna GmbH

Message:

Miramid® SX30C is a Polyamide 66 (Nylon 66) material filled with filler. It is available in Europe for injection molding. Primary attribute of Miramid® SX30C: Mold Release Agent.

General Information				
Filler / Reinforcement		Filler		
Additive		Mold Release		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1380	--	kg/m ³	ISO 1183 ¹
Viscosity number	145	--	cm ³ /g	ISO 307, 1157, 1628 ²
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	4900	--	MPa	ISO 527-2 ³
Tensile Stress (Break)	80.0	--	MPa	ISO 527-2 ⁴
Tensile Strain (Break)	8.0	--	%	ISO 527-2 ⁵
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁶
-30°C	3.30	--	kJ/m ²	
23°C	3.50	--	kJ/m ²	
Charpy impact strength				ISO 179/1eU ⁷
-30°C	90.0	--	kJ/m ²	
23°C	No Break	--		
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁸	260	--	°C	ISO 11357-3 ⁹
Electrical	Dry	Conditioned	Unit	Test Method
Volume resistivity	1.0E+13	--	ohms · m	IEC 60093 ¹⁰
Relative Permittivity (1 MHz)	3.50	--		IEC 60250 ¹¹
Dissipation Factor (1 MHz)	0.015	--		IEC 60250 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.	10 °C/min
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.
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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