



creative thermoplastic compounds

PA350M4

Release Date: 08/01/2013

20% Mineral Reinforced Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.28
WATER ABSORPTION (SATURATION)	%	ISO-62	6.6
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2.2
MOULD SHRINKAGE	%	ISO-2577	0.9-1.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	80
TENSILE MODULUS	MPa	ISO-527	5500
STRAIN @ BREAK	%	ISO-527	3-4
FLEXURAL STRENGTH	MPa	ISO-178	150
FLEXURAL MODULUS	MPa	ISO-178	4600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	5
ROCKWELL HARDNESS		R scale	119
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	210
HDT AT LOAD 0.45 Mpa	°C	ISO-75	240
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		80
MAX TEMP SHORT PEAKS OPERATION	°C		200
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹³
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	85
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.7

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