



creative thermoplastic compounds

PA355M6

Release Date: 10/06/2009

30% Mineral Filled, Flame Retardant Polyamide 6.6 for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.4
WATER ABSORPTION (SATURATION)	%	ISO-62	5.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.8
MOULD SHRINKAGE	%	ISO-2577	0.8-1.2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	80
STRAIN @ BREAK	%	ISO-527	5
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	4500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	5.5
ROCKWELL HARDNESS		R scale	118
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	145
HDT AT LOAD 0.45 Mpa	°C	ISO-75	235
UL FLAMMABILITY		UL-94 3mm	V-0
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		80
MAX TEMP SHORT PEAKS OPERATION	°C		220
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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