



creative thermoplastic compounds

PA4801G6

Release Date: 03/11/2009

30% Glass Fiber Reinforced, PTFE Lubricated Polyamide 6.6 for Injection Moulding application.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.47
WATER ABSORPTION (SATURATION)	%	ISO-62	0.8
MOULD SHRINKAGE	%	ISO-2577	0.3-0.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	175
TENSILE MODULUS	MPa	ISO-527	8300
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	250
FLEXURAL MODULUS	MPa	ISO-178	6800
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	17
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	249
HDT AT LOAD 0.45 Mpa	°C	ISO-75	259
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁴

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