



creative thermoplastic compounds

RA102

Release Date: 31/03/2013

General Purpose Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.12-1.14
WATER ABSORPTION (SATURATION)	%	ISO-62	8
MOULD SHRINKAGE	%	ISO-2577	1.5-1.8
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	65
STRAIN @ BREAK	%	ISO-527	>5
FLEXURAL STRENGTH	MPa	ISO-178	100
FLEXURAL MODULUS	MPa	ISO-178	2400
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	5.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	65
HDT AT LOAD 0.45 Mpa	°C	ISO-75	110
FLAMMABILITY	mm/min	FMVSS302	12
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹³
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵

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