creative thermoplastic compounds

PA880

Release Date: 08/01/2013

Very High Impact Polyamide 6.6 for Injection Moulding applicatons.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm^3	ISO-1183	1.08-1.1
WATER ABSORPTION (SATURATION)	%	ISO-62	6.7
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2
MOULD SHRINKAGE	%	ISO-2577	1.5-2
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	45
TENSILE MODULUS	MPa	ISO-527	1500
STRAIN @ BREAK	%	ISO-527	55
FLEXURAL STRENGTH	MPa	ISO-178	65
FLEXURAL MODULUS	MPa	ISO-178	1450
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	90
ROCKWELL HARDNESS		R scale	118
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
HDT AT LOAD 1.8 Mpa	°C	ISO-75	80
HDT AT LOAD 0.45 Mpa	°C	ISO-75	160
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		70
MAX TEMP SHORT PEAKS OPERATION	°C		180
ELECTRICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
SURFACE RESISTANCE	Ohm	IEC 60093	10^13
VOLUME RESISTANCE	Ohm x m	IEC 60093	10^14
DIELECTRIC STRENGTH	kV/mm	IEC 60250	90
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.1

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