creative thermoplastic compounds

PA7001G7BK11

Release Date: 04/01/2013

35% Glass Fiber Reinforced Heat Stabilized, UV Stabilized, Hydrolysis Resistance Polyamide 6.6. Approved by W.R.A.S.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m^3	ISO-1183	1.5
WATER ABSORPTION (SATURATION)	%	ISO-62	4.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.6
MOULD SHRINKAGE	%	ISO-2577	0.2-0.6
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	200
STRAIN @ YIELD	%	ISO-527	3
TENSILE MODULUS	MPa	ISO-527	11100
FLEXURAL STRENGTH	MPa	ISO-178	260
FLEXURAL MODULUS	MPa	ISO-178	10600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	13
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
HDT AT LOAD 1.8 Mpa	°C	ISO-75	250
HDT AT LOAD 0.45 Mpa	°C	ISO-75	260
UL FLAMMABILITY		UL-94	H.B.
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
SURFACE RESISTANCE	Ohm	IEC 60093	10^12
VOLUME RESISTANCE	Ohm x m	IEC 60093	10^15
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.5

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