creative thermoplastic compounds

PB825G6

Release Date: 30/11/2012

30% Glass Fiber Reinforced, Impact Modified Polyamide 6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m^3	ISO-1183	1.32
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2
MOULD SHRINKAGE	%	ISO-2577	0.3-0.5
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	140
TENSILE MODULUS	MPa	ISO-527	7200
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	170
FLEXURAL MODULUS	MPa	ISO-178	7000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	25
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
HDT AT LOAD 1.8 Mpa	°C	ISO-75	195
HDT AT LOAD 0.45 Mpa	°C	ISO-75	210
UL FLAMMABILITY		UL-94 3mm	H.B
MELTING POINT	°C	ISO-11357	218
ELECTRICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
SURFACE RESISTANCE	Ohm	IEC 60093	10^10
VOLUME RESISTANCE	Ohm x m	IEC 60093	10^12
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	6.6

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