



creative thermoplastic compounds

PA320G5

Release Date: 10/02/2010

25% Glass Fiber Reinforced, Flame Retardant and High Stiffness Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.35
WATER ABSORPTION (SATURATION)	%	ISO-62	4.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.5
MOULD SHRINKAGE	%	ISO-2577	0.2-0.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	140
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	200
FLEXURAL MODULUS	MPa	ISO-178	6700
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8
ROCKWELL HARDNESS		R scale	120
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	230
HDT AT LOAD 0.45 Mpa	°C	ISO-75	240
G.W.F.I	°C	IEC 60695	960
G.W.I.T.	°C	IEC 60695	850
UL FLAMMABILITY		UL-94 0.8/1.6/3mm	V-0
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 STRENGTH	kV/mm	IEC 60250	70
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.8

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