



creative thermoplastic compounds

PF391G6/PF392G6

Release Date: 08/08/2013

30% Glass Fiber Reinforced, Good Surface PBT for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.53
WATER ABSORPTION (SATURATION)	%	ISO-62	0.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.2
MOULD SHRINKAGE	%	ISO-2577	0.4
MFI	g/10min	ISO-1133 250/2.16	10
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	130
STRAIN @ BREAK	%	ISO-527	3.5
FLEXURAL STRENGTH	MPa	ISO-178	180
FLEXURAL MODULUS	MPa	ISO-178	7000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	14
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	210
HDT AT LOAD 0.45 Mpa	°C	ISO-75	220
G.W.F.I	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	12
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	225
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	34
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.8

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