



creative thermoplastic compounds

PF300J50

Release Date: 12/05/2003

50% Glass Fiber and Glass Beads Reinforced PBT.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.71
WATER ABSORPTION (SATURATION)	%	ISO-62	0.4
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.1
MOULD SHRINKAGE	%	ISO-2577	0.3
MFI	g/10min	ISO-1133 2502.6	4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	120
STRAIN @ BREAK	%	ISO-527	2
FLEXURAL STRENGTH	MPa	ISO-178	165
FLEXURAL MODULUS	MPa	ISO-178	8500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	13.5
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
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	28
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	4

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