



creative thermoplastic compounds

PF321G4

Release Date: 25/12/2013

20% Glass Fiber Reinforced, Flame Retardant PBT for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.59
WATER ABSORPTION (SATURATION)	%	ISO-62	0.15
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.15
MOULD SHRINKAGE	%	ISO-2577	1.1
MFI	g/10min	ISO-1133 250/2.16	15
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	120
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	180
FLEXURAL MODULUS	MPa	ISO-178	6500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	10
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	960
UL FLAMMABILITY		UL-94 0.8/3mm	V-0
MELTING POINT	°C	ISO-11357	225
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁶
DIELECTRIC STRENGTH	kV/mm	IEC 60250	29
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.4

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