



creative thermoplastic compounds

RF303G6

Release Date: 01/08/2005

Industrial Grade 30% Glass Fiber Reinforced PBT for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.5
WATER ABSORPTION (SATURATION)	%	ISO-62	0.5
MOULD SHRINKAGE	%	ISO-2577	0.3
MFI	g/10min	ISO-1133 250/2.16	16.5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	130
TENSILE MODULUS	MPa	ISO-527	8500
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	190
FLEXURAL MODULUS	MPa	ISO-178	5800
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	9.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	205
HDT AT LOAD 0.45 Mpa	°C	ISO-75	220
G.W.F.I	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	17
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	225
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	34
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.6

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