



creative thermoplastic compounds

PF340S6

Release Date: 24/05/2009

30% Glass Beads Reinforced 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	0.15
MOULD SHRINKAGE	%	ISO-2577	1.7
MFI	g/10min	ISO-1133 300/1.2	15
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	57
TENSILE MODULUS	MPa	ISO-527	3700
STRAIN @ BREAK	%	ISO-527	4
FLEXURAL STRENGTH	MPa	ISO-178	95
FLEXURAL MODULUS	MPa	ISO-178	2300
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	3.5
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	3
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	3.5
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	3
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	23
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	20
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	100
HDT AT LOAD 0.45 Mpa	°C	ISO-75	210
G.W.F.I	°C	IEC 60695	650
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	25
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.6

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