



creative thermoplastic compounds

PE300J6

Release Date: 27/05/2003

30% Glass Fiber and Glass Beads Reinforced, High Stiffness PET 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 280/2.16	10
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	110
STRAIN @ BREAK	%	ISO-527	4
FLEXURAL STRENGTH	MPa	ISO-178	160
FLEXURAL MODULUS	MPa	ISO-178	6000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	235
HDT AT LOAD 0.45 Mpa	°C	ISO-75	255
G.W.F.I	°C	IEC 60695	750
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	260
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	3.6

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