



creative thermoplastic compounds

PE301G6

Release Date: 29/02/2004

30% Glass Fiber Reinforced, Heat Stabilized PET for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.67
WATER ABSORPTION (SATURATION)	%	ISO-62	0.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.2
MOULD SHRINKAGE	%	ISO-2577	0.2
MFI	g/10min	ISO-1133 280/2.16	3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	140
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	200
FLEXURAL MODULUS	MPa	ISO-178	9000
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	220
HDT AT LOAD 0.45 Mpa	°C	ISO-75	250
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	254
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	4

The information contained in this website is supplied in good faith. However, it is given purely as an indication. It shall not be construed in any way as formal commitment or warranty on our part. Notably in respect of the eventual infringement of any rights of third parties who may use our products. We remain at your entire disposal for any further information that you may require.