



creative thermoplastic compounds

PA7800G33

Release Date: 04/01/2013

33% Glass Fiber Reinforced UV & Heat Stabilized, Impact Modified Polyamide 6.6 for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.37
WATER ABSORPTION (SATURATION)	%	ISO-62	4.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.5
MOULD SHRINKAGE	%	ISO-2577	0.3-0.6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	160
TENSILE MODULUS	MPa	ISO-527	9000
STRAIN @ BREAK	%	ISO-527	4.5
FLEXURAL STRENGTH	MPa	ISO-178	210
FLEXURAL MODULUS	MPa	ISO-178	8600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	24
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	20
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	240
HDT AT LOAD 0.45 Mpa	°C	ISO-75	255
UL FLAMMABILITY		UL-94	H.B.
MELTING POINT	°C	ISO-11357	260
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹²
DIELECTRIC STRENGTH	kV/mm	IEC 60250	22

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.