



creative thermoplastic compounds

RA325G5

Release Date: 06/10/2009

25% Glass Fiber Reinforced, Self Extinguishing Halogen Free Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.34
WATER ABSORPTION (SATURATION)	%	ISO-62	6
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.9
MOULD SHRINKAGE	%	ISO-2577	0.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	120
TENSILE MODULUS	MPa	ISO-527	7100
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	200
FLEXURAL MODULUS	MPa	ISO-178	7600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8.5
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	8.5
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	45
ROCKWELL HARDNESS		R scale	120
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	250
G.W.F.I	°C	IEC 60695	960
G.W.I.T.	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	0
UL FLAMMABILITY		UL-94 1.6/3mm	V-0
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		120
MAX TEMP SHORT PEAKS OPERATION	°C		240
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹³
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	80
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.7

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.

