



creative thermoplastic compounds

PA325G5

Release Date: 15/03/2012

25% Glass Fiber Reinforced, Flame Retardant, Halogen Free Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.35
WATER ABSORPTION (SATURATION)	%	ISO-62	6
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.8
MOULD SHRINKAGE	%	ISO-2577	0.3-0.7
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	8000
NOTCHED IZOD IMPACT STRENGTH +23°C	KJ/m ²	ISO-180	7
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	825
FLAMMABILITY		UL-94	5VA 3mm
UL FLAMMABILITY		UL-94 3mm	V-0
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹²
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
CTI		IEC 60112	550

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