



creative thermoplastic compounds

PA340S8

Release Date: 22/01/2013

40% Glass Beads Reinforced Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.45
WATER ABSORPTION (SATURATION)	%	ISO-62	5.1
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.6
MOULD SHRINKAGE	%	ISO-2577	1.2-1.6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	85
TENSILE MODULUS	MPa	ISO-527	4300
STRAIN @ BREAK	%	ISO-527	4
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	4200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	5
ROCKWELL HARDNESS		R scale	110
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	100
HDT AT LOAD 0.45 Mpa	°C	ISO-75	210
G.W.I.T.	°C	IEC 60695	650
UL FLAMMABILITY		UL-94 3mm	H.B.
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	3.8

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