



creative thermoplastic compounds

RA300G4

Release Date: 22/01/2013

20% Glass Fiber Reinforced Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.27
WATER ABSORPTION (SATURATION)	%	ISO-62	0.85
MOULD SHRINKAGE	%	ISO-2577	0.45-0.55
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	110
TENSILE MODULUS	MPa	ISO-527	4200
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	4000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	4
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	230
HDT AT LOAD 0.45 Mpa	°C	ISO-75	240
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256

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