



creative thermoplastic compounds

RB300G6/RB301G6

Release Date: 06/04/2014

Industrial Grade 30% Glass Fiber Reinforced Polyamide 6 for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.36
WATER ABSORPTION (SATURATION)	%	ISO-62	6.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2
MOULD SHRINKAGE	%	ISO-2577	0.2-0.7
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	130
TENSILE MODULUS	MPa	ISO-527	6000
STRAIN @ BREAK	%	ISO-527	2-5
FLEXURAL STRENGTH	MPa	ISO-178	180
FLEXURAL MODULUS	MPa	ISO-178	6500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	205
HDT AT LOAD 0.45 Mpa	°C	ISO-75	217
FLAMMABILITY	mm/min	FMVSS302	15
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	218

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