



creative thermoplastic compounds

PD305G6

Release Date: 05/12/2012

30% Glass Fiber Reinforced Polyamide 12 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.34
WATER ABSORPTION (SATURATION)	%	ISO-62	1.2
MOULD SHRINKAGE	%	ISO-2577	0.07-0.5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	130
TENSILE MODULUS	MPa	ISO-527	7000
STRAIN @ BREAK	%	ISO-527	5
FLEXURAL STRENGTH	MPa	ISO-178	180
FLEXURAL MODULUS	MPa	ISO-178	6000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	16
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165-175
MAX TEMP CONTINUOUS USE	°C		100
MAX TEMP SHORT PEAKS OPERATION	°C		145

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