



creative thermoplastic compounds

PD300G4

Release Date: 29/11/2009

20% Glass Fiber Reinforced Polyamide 12 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.25
WATER ABSORPTION (SATURATION)	%	ISO-62	1.5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	90
TENSILE MODULUS	MPa	ISO-527	6000
STRAIN @ BREAK	%	ISO-527	3.5
FLEXURAL STRENGTH	MPa	ISO-178	140
FLEXURAL MODULUS	MPa	ISO-178	4000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	9
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	163
HDT AT LOAD 0.45 Mpa	°C	ISO-75	177
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	175

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