



creative thermoplastic compounds

PD300G5

Release Date: 29/11/2009

25% Glass Fiber Reinforced Polyamide 12, Heat Stabilized and Hydrolysis Resistance for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.3
WATER ABSORPTION (SATURATION)	%	ISO-62	1.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	100
TENSILE MODULUS	MPa	ISO-527	7000
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	150
FLEXURAL MODULUS	MPa	ISO-178	5000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	10
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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