



creative thermoplastic compounds

PD1002NT

Release Date: 11/02/2008

Medium Viscosity Polyamide 12 extrusion type.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.01
WATER ABSORPTION (SATURATION)	%	ISO-62	1.15
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.7
MOULD SHRINKAGE	%	ISO-2577	0.8-0.9
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	40
TENSILE MODULUS	MPa	ISO-527	1100
STRAIN @ BREAK	%	ISO-527	70
UN NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	N.B.
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	50
HDT AT LOAD 0.45 Mpa	°C	ISO-75	130
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	175
MAX TEMP CONTINUOUS USE	°C		105
MAX TEMP SHORT PEAKS OPERATION	°C		150
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹²
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹¹
DIELECTRIC STRENGTH	kV/mm	IEC 60250	32
CTI		IEC 60112	600

The information contained in this website is supplied in good faith. However, it is given purely as an indication. It shall not be construed in any way as formal commitment or warranty on our part. Notably in respect of the eventual infringement of any rights of third parties who may use our products. We remain at your entire disposal for any further information that you may require.