



creative thermoplastic compounds

RB845

Release Date: 18/12/2012

Impact Modified Polyamide 6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.06-1.11
WATER ABSORPTION (SATURATION)	%	ISO-62	8
MOULD SHRINKAGE	%	ISO-2577	1.2-1.6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	55
STRAIN @ YIELD	%	ISO-527	>50
TENSILE MODULUS	MPa	ISO-527	1700
FLEXURAL STRENGTH	MPa	ISO-178	75
FLEXURAL MODULUS	MPa	ISO-178	1650
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	20
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	6.2
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	5.4
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	N.B
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	60
HDT AT LOAD 0.45 Mpa	°C	ISO-75	160
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	218
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹³
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.5

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