



creative thermoplastic compounds

RA124

Release Date: 15/02/2013

A Fast Cycle Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.12-1.14
WATER ABSORPTION (SATURATION)	%	ISO-62	8.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2.8
MOULD SHRINKAGE	%	ISO-2577	1.4-1.8
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	90
STRAIN @ BREAK	%	ISO-527	10
FLEXURAL STRENGTH	MPa	ISO-178	90
FLEXURAL MODULUS	MPa	ISO-178	2300
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	4
ROCKWELL HARDNESS		R scale	118
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	185
UL FLAMMABILITY		UL-94 3mm	V-2
MELTING POINT	°C	ISO-11357	256

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