



creative thermoplastic compounds

PA860

Release Date: 08/01/2013

Very High Impact Modified Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.08
WATER ABSORPTION (SATURATION)	%	ISO-62	5.6
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2
MOULD SHRINKAGE	%	ISO-2577	1.5-2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	45
TENSILE MODULUS	MPa	ISO-527	1500
STRAIN @ BREAK	%	ISO-527	100
FLEXURAL STRENGTH	MPa	ISO-178	65
FLEXURAL MODULUS	MPa	ISO-178	1450
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	85
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	48
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	100
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	45
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	N.B
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	N.B
ROCKWELL HARDNESS		R scale	118
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	80
HDT AT LOAD 0.45 Mpa	°C	ISO-75	160
FLAMMABILITY	mm/min	FMVSS302	12.2
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		70
MAX TEMP SHORT PEAKS OPERATION	°C		180
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ^{^13}
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ^{^14}
DIELECTRIC STRENGTH	kV/mm	IEC 60250	90
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.1

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.

