



creative thermoplastic compounds

## RA103

Release Date: 31/03/2013

**Impact Resistance Polyamide 6.6 for Injection Moulding applications.**

### ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm <sup>3</sup>	ISO-1183	1.12-1.14
WATER ABSORPTION (SATURATION)	%	ISO-62	8
MOULD SHRINKAGE	%	ISO-2577	1.4-1.8
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	70
STRAIN @ BREAK	%	ISO-527	30
FLEXURAL STRENGTH	MPa	ISO-178	95
FLEXURAL MODULUS	MPa	ISO-178	2300
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m <sup>2</sup>	ISO-180	12
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	110
FLAMMABILITY	mm/min	FMVSS302	12
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256

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