



creative thermoplastic compounds

RA844

Release Date: 31/03/2013

Impact Modified, UV and Heat Stabilized Polyamide 6.6 for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.09
WATER ABSORPTION (SATURATION)	%	ISO-62	7
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2.1
MOULD SHRINKAGE	%	ISO-2577	1.4-1.8
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	50
TENSILE MODULUS	MPa	ISO-527	1800
STRAIN @ BREAK	%	ISO-527	30
FLEXURAL STRENGTH	MPa	ISO-178	80
FLEXURAL MODULUS	MPa	ISO-178	1900
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	45
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	25
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	22
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	18
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	NB
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	NB
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	120
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	262
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹²
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁴

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