



creative thermoplastic compounds

PV101/102

Release Date: 08/08/2003

General Purpose ABS for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.03
WATER ABSORPTION (SATURATION)	%	ISO-62	1
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.22
MOULD SHRINKAGE	%	ISO-2577	0.5
MFI	g/10min	ISO-1133 220/10	18
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	40
TENSILE MODULUS	MPa	ISO-527	2300
STRAIN @ BREAK	%	ISO-527	10
FLEXURAL STRENGTH	MPa	ISO-178	65
FLEXURAL MODULUS	MPa	ISO-178	3000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	280
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	100
HDT AT LOAD 0.45 Mpa	°C	ISO-75	105
UL FLAMMABILITY		UL-94 3mm	H.B.
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹³
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹³

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