



creative thermoplastic compounds

PAS100

Release Date: 17/06/2003

PAS 100 is a General Purpose Injection Moulding ASA. High Thermal and Mechanical Properties, good Chemical Resistance.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.04
MOULD SHRINKAGE	%	ISO-2577	0.5
MFI	g/10min	ISO-1133 220/2.10	5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	45
TENSILE MODULUS	MPa	ISO-527	1900
STRAIN @ BREAK	%	ISO-527	20
FLEXURAL STRENGTH	MPa	ISO-178	70
FLEXURAL MODULUS	MPa	ISO-178	2200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	20
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	96
HDT AT LOAD 0.45 Mpa	°C	ISO-75	101
UL FLAMMABILITY		UL-94 3mm	H.B.
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹²

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