



creative thermoplastic compounds

RAMLLOY A001

Release Date: 17/10/2007

PA66/PE Alloy, Reduction of Water Absorption, Impact Modified, for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.10
WATER ABSORPTION (SATURATION)	%	ISO-62	8
MOULD SHRINKAGE	%	ISO-2577	1.2
MFI	g/10min	ISO-1133 275/5	15
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	60
TENSILE MODULUS	MPa	ISO-527	1650
STRAIN @ BREAK	%	ISO-527	50
FLEXURAL STRENGTH	MPa	ISO-178	80
FLEXURAL MODULUS	MPa	ISO-178	1790
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	35
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	70
HDT AT LOAD 0.45 Mpa	°C	ISO-75	120
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DIELECTRIC STRENGTH	kV/mm	IEC 60250	30
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.3

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