



creative thermoplastic compounds

RAMLOY A300G6NT

Release Date: 22/01/2006

PA66/Polypropylene Alloy 30% Glass Fiber Reinforced for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.30
WATER ABSORPTION (SATURATION)	%	ISO-62	1.9
MOULD SHRINKAGE	%	ISO-2577	0.1
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	170
TENSILE MODULUS	MPa	ISO-527	8600
STRAIN @ BREAK	%	ISO-527	3.5
FLEXURAL STRENGTH	MPa	ISO-178	240
FLEXURAL MODULUS	MPa	ISO-178	7100
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	13.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	225
HDT AT LOAD 0.45 Mpa	°C	ISO-75	245
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	255
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	35
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	4

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