



creative thermoplastic compounds

Polytron A60N01

Release Date: 09/02/2014

60% Long Glass Fiber Reinforced Natural Nylon 6.6 Heat Stabilized, for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.68
WATER ABSORPTION (SATURATION)	%	ISO-62	3
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1
MOULD SHRINKAGE	%	ISO-2577	0.1-0.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	280
TENSILE MODULUS	MPa	ISO-527	23000
STRAIN @ BREAK	%	ISO-527	2
FLEXURAL STRENGTH	MPa	ISO-178	400
FLEXURAL MODULUS	MPa	ISO-178	21000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	45
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	45
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	37
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	105
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	90
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	253
UL FLAMMABILITY		UL-94 3mm	H.B.

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