



creative thermoplastic compounds

## Polytron A60B01

Release Date: 09/02/2014

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

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm <sup>3</sup>	ISO-1183	1.68
WATER ABSORPTION (SATURATION)			3
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)			1
MOULD SHRINKAGE			0.1-0.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	265
TENSILE MODULUS	MPa	ISO-527	23000
STRAIN @ BREAK	%	ISO-527	1.9
FLEXURAL STRENGTH	MPa	ISO-179	400
FLEXURAL MODULUS	MPa	ISO-179	20000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m <sup>2</sup>	ISO-180	40
NOTCHED CHARPY IMPACT STRENGTH +23°C			42
NOTCHED CHARPY IMPACT STRENGTH -30°C			35
UN NOTCHED CHARPY IMPACT STRENGTH +23°C			100
UN NOTCHED CHARPY IMPACT STRENGTH -30°C			85
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	C	ISO-75	253
UL FLAMMABILITY		3mm	H.B.

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