



creative thermoplastic compounds

Polytron P30N01/PolytronP30N11

Release Date: 09/10/2013

A Chemically Coupled 30% Long Glass Fiber Reinforced Natural Polypropylene, Heat Stabilized for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.12
MOULD SHRINKAGE	%	ISO-2577	0.2-0.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	115
TENSILE MODULUS	MPa	ISO-527	7000
STRAIN @ BREAK	%	ISO-527	2.2
FLEXURAL STRENGTH	MPa	ISO-178	170
FLEXURAL MODULUS	MPa	ISO-178	6500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	19
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	18
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	17
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	60
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	40
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	149
G.W.I.T.	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	30@2mm
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	167

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