



creative thermoplastic compounds

Polytron P40N03

Release Date: 09/02/2014

A Chemically Coupled 40% Long Glass Fiber Reinforced Impact Modified Natural color Polypropylene, Heat Stabilized for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.22
MOULD SHRINKAGE	%	ISO-2577	0.1-0.2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	115
TENSILE MODULUS	MPa	ISO-527	9000
STRAIN @ BREAK	%	ISO-527	2.8
FLEXURAL STRENGTH	MPa	ISO-178	170
FLEXURAL MODULUS	MPa	ISO-178	8600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	28
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	27
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	26
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	70
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	80
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	152
G.W.F.I	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	30
UL FLAMMABILITY		UL-94 3mm	H.B
MELTING POINT	°C	ISO-11357	167

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