



creative thermoplastic compounds

Polytron P20B01

Release Date: 09/02/2014

A Chemically Coupled 20% Long Glass Fiber Reinforced Black Polypropylene Heat Stabilized for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.03
MOULD SHRINKAGE	%	ISO-2577	0.15-0.2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	85
TENSILE MODULUS	MPa	ISO-527	5300
STRAIN @ BREAK	%	ISO-527	2.2
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	5000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	13
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	14
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	12
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	40
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	35
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	149
G.W.F.I	°C	IEC 60695	750
FLAMMABILITY	mm/min	FMVSS302	10@2mm
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	167

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