



creative thermoplastic compounds

Polytron P20B03

Release Date: 09/02/2014

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

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.02
MOULD SHRINKAGE	%	ISO-2577	0.1-0.2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	70
TENSILE MODULUS	MPa	ISO-527	5000
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	110
FLEXURAL MODULUS	MPa	ISO-178	4500
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	22
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	50
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	149
G.W.F.I	°C	IEC 60695	700
FLAMMABILITY	mm/min	FMVSS302	10
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	167

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