



creative thermoplastic compounds

Polytron P30B03

Release Date: 02/07/2015

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

These products have significantly improved impact performance characteristics compared to other grades of Polypropylene long fiber thermoplastics. The room temperature Charpy impact properties are 25 to 30% higher at room temperature and at low temperature (-40°C).

The material is supplied in Pellets that are typically 11-13mm in length. Fiber length is the length of the Pellets.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.1
MOULD SHRINKAGE	%	ISO-2577	0.1-0.2
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	85
TENSILE MODULUS	MPa	ISO-527	6250
STRAIN @ BREAK	%	ISO-527	2.2
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	6100
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	16
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	17
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	16
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	14
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	50
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	75
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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