creative thermoplastic compounds

Polytron P30B01-M

Release Date: 09/02/2014

A Chemically Coupled 30% Long Glass Fiber Reinforced Black Polypropylene, improved dimensional stability and reduced warpage, Heat Stabilized for High Temperature applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m^3	ISO-1183	1.12
MOULD SHRINKAGE	%	ISO-2577	0.1-0.2
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	105
TENSILE MODULUS	MPa	ISO-527	7000
STRAIN @ BREAK	%	ISO-527	2
FLEXURAL STRENGTH	MPa	ISO-178	155
FLEXURAL MODULUS	MPa	ISO-178	6600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	18
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	17
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	16
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	55
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	157
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

Moshav Ram - On ISRAEL 19205 Tel: +972 4 6599900 Fax: +972 4 6499763.