creative thermoplastic compounds

Polytron P50N03

Release Date: 09/02/2014

A Chemically Coupled 50% 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	1.33
MOULD SHRINKAGE	%	ISO-2577	0.1-0.15
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	130
TENSILE MODULUS	MPa	ISO-527	11500
STRAIN @ BREAK	%	ISO-527	2.4
FLEXURAL STRENGTH	MPa	ISO-178	195
FLEXURAL MODULUS	MPa	ISO-178	11000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	29
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	31
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	29
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	78
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	88
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
HDT AT LOAD 1.8 Mpa	°C	ISO-75	153
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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