creative thermoplastic compounds

Polytron P60B01

Release Date: 06/02/2014

A Chemically Coupled 60% Long Glass Fiber Reinforced Black Polypropylene, Heat Stabilized for High Temperature applications such as under the hood automotive parts.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m^3	ISO-1183	1.48
MOULD SHRINKAGE	%	ISO-2577	0.1-0.2
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	125
TENSILE MODULUS	MPa	ISO-527	15000
STRAIN @ BREAK	%	ISO-527	1.2
FLEXURAL STRENGTH	MPa	ISO-178	200
FLEXURAL MODULUS	MPa	ISO-178	16000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	23
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	25
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	20
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	60
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	150
G.W.F.I	°C	IEC 60695	800
FLAMMABILITY	mm/min	FMVSS302	15
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165

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