creative thermoplastic compounds

PPH308G8

Release Date: 04/12/2009

40% Glass Fiber Reinforced, Heat Stabilized, Impact Modified Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm^3	ISO-1183	1.22
MOULD SHRINKAGE	%	ISO-2577	0.1-0.3
MFI	g/10min	ISO-1133 230/2.16	2.5
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	95
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	120
FLEXURAL MODULUS	MPa	ISO-178	6200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	16
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m^2	ISO-180	9.5
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	14.5
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	10
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m^2	ISO-179	75
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m^2	ISO-179	60
ROCKWELL HARDNESS		R scale	115
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
HDT AT LOAD 1.8 Mpa	°C	ISO-75	150
HDT AT LOAD 0.45 Mpa	°C	ISO-75	160
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165
MAX TEMP CONTINUOUS USE	°C		110
MAX TEMP SHORT PEAKS OPERATION	°C		140

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