



creative thermoplastic compounds

PPH300G8

Release Date: 28/01/2013

40% Glass Fiber Reinforced Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.21
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	100
TENSILE MODULUS	MPa	ISO-527	8400
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	140
FLEXURAL MODULUS	MPa	ISO-178	7800
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	13
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	11.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	142
HDT AT LOAD 0.45 Mpa	°C	ISO-75	157
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165
MAX TEMP CONTINUOUS USE	°C		100
MAX TEMP SHORT PEAKS OPERATION	°C		155

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