



creative thermoplastic compounds

PPH300G6

Release Date: 28/01/2013

30% Glass Fiber Reinforced Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.13
MOULD SHRINKAGE	%	ISO-2577	0.1-0.4
MFI	g/10min	ISO-1133 230/2.16	3.5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	95
TENSILE MODULUS	MPa	ISO-527	6150
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	105
FLEXURAL MODULUS	MPa	ISO-178	5100
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	12.5
ROCKWELL HARDNESS		R scale	115
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	158
VICAT SOFTENING POINT	°C	ISO-306	166
FLAMMABILITY	mm/min	FMVSS302	9
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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