



creative thermoplastic compounds

PPH301G6NT

Release Date: 28/01/2013

30% Glass Fiber Reinforced Polypropylene for Injection Moulding applications. Approved and listed by WRAS potable water.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m 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	90
TENSILE MODULUS	MPa	ISO-527	6000
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	105
FLEXURAL MODULUS	MPa	ISO-178	5700
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	12.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	145
HDT AT LOAD 0.45 Mpa	°C	ISO-75	153
FLAMMABILITY	mm/min	FMVSS302	9
UL FLAMMABILITY		UL-94	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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