



creative thermoplastic compounds

PPH300G9

Release Date: 28/01/2013

45% Glass Fiber Reinforced Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.28
MOULD SHRINKAGE	%	ISO-2577	0.1-0.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	110
TENSILE MODULUS	MPa	ISO-527	11150
STRAIN @ BREAK	%	ISO-527	2
FLEXURAL STRENGTH	MPa	ISO-178	140
FLEXURAL MODULUS	MPa	ISO-178	9050
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	13
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	158
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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