



creative thermoplastic compounds

PPH302G4

Release Date: 28/01/2013

20% Glass Fiber Reinforced Polypropylene, UV Stabilized for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.01-1.07
MOULD SHRINKAGE	%	ISO-2577	0.2-0.5
MFI	g/10min	ISO-1133 230/2.16	4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	65
TENSILE MODULUS	MPa	ISO-527	4000
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	90
FLEXURAL MODULUS	MPa	ISO-178	3000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	7.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	137
HDT AT LOAD 0.45 Mpa	°C	ISO-75	153
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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