



creative thermoplastic compounds

PPH308G50

Release Date: 04/12/2009

50% Glass Fiber Reinforced, Heat Stabilized, Impact Modified Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.33
MOULD SHRINKAGE	%	ISO-2577	0.1-0.3
MFI	g/10min	ISO-1133 230/2.16	3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	95
STRAIN @ BREAK	%	ISO-527	4
FLEXURAL STRENGTH	MPa	ISO-178	140
FLEXURAL MODULUS	MPa	ISO-178	7400
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	16
ROCKWELL HARDNESS		R scale	115
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	140
HDT AT LOAD 0.45 Mpa	°C	ISO-75	150
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165
MAX TEMP CONTINUOUS USE	°C		110
MAX TEMP SHORT PEAKS OPERATION	°C		140
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹²
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	80
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.8

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