



creative thermoplastic compounds

PN300G4

Release Date: 19/09/2006

PPE/PS Alloy 20% Glass Fiber Reinforced for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.25
WATER ABSORPTION (SATURATION)	%	ISO-62	0.2
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.06
MOULD SHRINKAGE	%	ISO-2577	0.2-0.4
MFI	g/10min	ISO-1133 280/10	12
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	70
TENSILE MODULUS	MPa	ISO-527	5000
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	100
FLEXURAL MODULUS	MPa	ISO-178	5200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	120
HDT AT LOAD 0.45 Mpa	°C	ISO-75	130
UL FLAMMABILITY		UL-94 3mm	H.B.
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁵
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	18

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