



creative thermoplastic compounds

PW300G7

Release Date: 20/05/2003

35% Glass Fiber Reinforced SAN for very high Rigidity Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.35
WATER ABSORPTION (SATURATION)	%	ISO-62	0.1
MOULD SHRINKAGE	%	ISO-2577	0.2
MFI	g/10min	ISO-1133 220/10	9
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	110
STRAIN @ BREAK	%	ISO-527	1.5
FLEXURAL STRENGTH	MPa	ISO-178	160
FLEXURAL MODULUS	MPa	ISO-178	10000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	6.5
ROCKWELL HARDNESS		R scale	94
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	110
UL FLAMMABILITY		UL-94 3mm	H.B.
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁴
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁶
DIELECTRIC STRENGTH	kV/mm	IEC 60250	40
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.1

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