



creative thermoplastic compounds

PV3003R2

Release Date: 24/10/2006

10% Carbon Fiber Reinforced ABS for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.1
MOULD SHRINKAGE	%	ISO-2577	0.10-0.30
MFI	g/10min	ISO-1133 220/10	22
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	80
TENSILE MODULUS	MPa	ISO-527	5000
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	110
FLEXURAL MODULUS	MPa	ISO-178	6000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
UL FLAMMABILITY		UL-94 3mm	H.B.
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ³

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