



creative thermoplastic compounds

PF810

Release Date: 24/04/2008

Impact Modified PBT for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.2
MOULD SHRINKAGE	%	ISO-2577	2.1-2.3
MFI	g/10min	ISO-1133 250/2.16	20
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	50
TENSILE MODULUS	MPa	ISO-527	2100
STRAIN @ BREAK	%	ISO-527	70
FLEXURAL STRENGTH	MPa	ISO-178	80
FLEXURAL MODULUS	MPa	ISO-178	2200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	7
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	55
HDT AT LOAD 0.45 Mpa	°C	ISO-75	120
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	225
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹³
DIELECTRIC STRENGTH	kV/mm	IEC 60250	30

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