



creative thermoplastic compounds

PBB503

Release Date: 06/04/2013

Flame Retardant and Heat Stabilized PC/ABS Alloy for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.17
MOULD SHRINKAGE	%	ISO-2577	0.4-0.7
MFI	g/10min	ISO-1133 240/5	30
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	60
TENSILE MODULUS	MPa	ISO-527	2700
STRAIN @ BREAK	%	ISO-527	>30
FLEXURAL STRENGTH	MPa	ISO-178	90
FLEXURAL MODULUS	MPa	ISO-178	2500
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	50
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	85
HDT AT LOAD 0.45 Mpa	°C	ISO-75	95
G.W.F.I	°C	IEC 60695	960
UL FLAMMABILITY		UL-94 1.6mm	V-0
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁵
DIELECTRIC STRENGTH	kV/mm	IEC 60250	30

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