



creative thermoplastic compounds

PPC342M6

Release Date: 15/02/2013

30% Mineral filled, Heat Resistant Polypropylene for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.13
MOULD SHRINKAGE	%	ISO-2577	0.8-1.2
MFI	g/10min	ISO-1133 230/2.16	6.5
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	30
TENSILE MODULUS	MPa	ISO-527	4200
STRAIN @ BREAK	%	ISO-527	35
FLEXURAL STRENGTH	MPa	ISO-178	45
FLEXURAL MODULUS	MPa	ISO-178	2800
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	4.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	65
HDT AT LOAD 0.45 Mpa	°C	ISO-75	110
VICAT SOFTENING POINT	°C	ISO-306	140
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165
MAX TEMP CONTINUOUS USE	°C		110
MAX TEMP SHORT PEAKS OPERATION	°C		120

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