



creative thermoplastic compounds

PM1409

Release Date: 03/04/2013

Polyacetal filled with 20% PTFE for sliding parts, Low Friction and improved Wear Resistance of moulded parts.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.45-1.50
MOULD SHRINKAGE	%	ISO-2577	1.8-2.2
MFI	g/10min	ISO-1133 190/2.16	7
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	45
TENSILE MODULUS	MPa	ISO-527	2200
STRAIN @ BREAK	%	ISO-527	20
FLEXURAL STRENGTH	MPa	ISO-178	65
FLEXURAL MODULUS	MPa	ISO-178	1750
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	4.5
ROCKWELL HARDNESS		R scale	70
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	120
HDT AT LOAD 0.45 Mpa	°C	ISO-75	155
FLAMMABILITY	mm/min	FMVSS302	22
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	165
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
SURFACE RESISTANCE	Ohm	IEC 60093	10 ¹⁴
VOLUME RESISTANCE	Ohm x m	IEC 60093	10 ¹⁶

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