



creative thermoplastic compounds

PM1609

Release Date: 03/04/2013

Molybdenum Disulfide filled Polyacetal for Injection Moulding applications. MFI 9.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.44
MOULD SHRINKAGE	%	ISO-2577	1.8-2.2
MFI	g/10min	ISO-1133 190/2.16	9
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	65
STRAIN @ BREAK	%	ISO-527	40
FLEXURAL STRENGTH	MPa	ISO-178	95
FLEXURAL MODULUS	MPa	ISO-178	2700
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	6
ROCKWELL HARDNESS		R scale	82
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	110
HDT AT LOAD 0.45 Mpa	°C	ISO-75	160
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
DIELECTRIC STRENGTH	kV/mm	IEC 60250	24
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.8

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