



creative thermoplastic compounds

PM7009/PM7109

Release Date: 14/11/2013

UV Stabilized Polyacetal Copolymer for Injection Moulding applications. MFI 9.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.41
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	60
STRAIN @ YIELD			10
TENSILE MODULUS	MPa	ISO-527	2350
STRAIN @ BREAK	%	ISO-527	20
FLEXURAL STRENGTH	MPa	ISO-178	80
FLEXURAL MODULUS	MPa	ISO-178	2600
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	7.5
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	7
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	8.5
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	7.5
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	165
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	180
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	90
HDT AT LOAD 0.45 Mpa	°C	ISO-75	150
FLAMMABILITY	mm/min	FMVSS302	30
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	172
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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