



creative thermoplastic compounds

PA341G9

Release Date: 14/09/2014

45% Glass Fiber Reinforced, High Stiffness and Low Temp' Resistance, UV Stabilized Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.47
WATER ABSORPTION (SATURATION)	%	ISO-62	3.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.2
MOULD SHRINKAGE	%	ISO-2577	0.07-0.4
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	165
TENSILE MODULUS	MPa	ISO-527	12300
STRAIN @ BREAK	%	ISO-527	2.5
FLEXURAL STRENGTH	MPa	ISO-178	257
FLEXURAL MODULUS	MPa	ISO-178	11430
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	23
NOTCHED IZOD IMPACT STRENGTH -30°C	Kj/m ²	ISO-180	16.5
NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	13.5
UN NOTCHED CHARPY IMPACT STRENGTH -30°C	Kj/m ²	ISO-179	80
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	243
HDT AT LOAD 0.45 Mpa	°C	ISO-75	257
FLAMMABILITY	mm/min	FMVSS302	5
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	256
MAX TEMP CONTINUOUS USE	°C		110
MAX TEMP SHORT PEAKS OPERATION	°C		>200

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