creative thermoplastic compounds

PA917G4

Release Date: 04/02/2009

20% Glass Fiber Reinforced PA66/Polypropylene Alloy with reduced Water Absorbtion, Dimention Stability and UV Stabilized for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm^3	ISO-1183	1.21
WATER ABSORPTION (SATURATION)	%	ISO-62	3.5
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.5
MOULD SHRINKAGE	%	ISO-2577	0.3-0.5
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	120
TENSILE MODULUS	MPa	ISO-527	6000
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	195
FLEXURAL MODULUS	MPa	ISO-178	5700
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	9
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	250
MAX TEMP CONTINUOUS USE	°C		80
MAX TEMP SHORT PEAKS OPERATION	°C		150

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