creative thermoplastic compounds

RA325J5

Release Date: 06/10/2009

25% Glass Beads and Glass Fiber Reinforced, Flame Retardant Polyamide 6.6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm^3	ISO-1183	1.35
WATER ABSORPTION (SATURATION)	%	ISO-62	6
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.9
MOULD SHRINKAGE	%	ISO-2577	0.5-0.6
MECHANICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
TENSILE YIELD STRENGTH	MPa	ISO-527	75
TENSILE MODULUS	MPa	ISO-527	5000
STRAIN @ BREAK	%	ISO-527	6
FLEXURAL STRENGTH	MPa	ISO-178	130
FLEXURAL MODULUS	MPa	ISO-178	3700
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m^2	ISO-180	4
THERMAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
UL FLAMMABILITY		UL-94 3mm	V-0
MELTING POINT	°C	ISO-11357	256
ELECTRICAL PROPERTIES	**UNIT**	**TEST METHOD**	**VALUES**
SURFACE RESISTANCE	Ohm	IEC 60093	10^13
VOLUME RESISTANCE	Ohm x m	IEC 60093	10^15
DIELECTRIC STRENGTH	kV/mm	IEC 60250	80
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	3.7

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