



creative thermoplastic compounds

RB506

Release Date: 22/05/2003

Flame Retardant Polyamide 6 for Injection Moulding applications.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm ³	ISO-1183	1.14
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	2.8
MOULD SHRINKAGE	%	ISO-2577	1.4-1.6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	>60
STRAIN @ BREAK	%	ISO-527	>15
FLEXURAL STRENGTH	MPa	ISO-178	>90
FLEXURAL MODULUS	MPa	ISO-178	>2200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	>5.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	>70
HDT AT LOAD 0.45 Mpa	°C	ISO-75	>150
UL FLAMMABILITY		UL-94 3mm	V-0
MELTING POINT	°C	ISO-11357	218

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