



creative thermoplastic compounds

## RB133/RB703

Release Date: 22/05/2003

**Industrial Grade General Purpose Polyamide 6 for Injection Moulding applications. RB703 is a UV Stabilized Grade.**

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm <sup>3</sup>	ISO-1183	1.12
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	1.3
MOULD SHRINKAGE	%	ISO-2577	1.4-1.8
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	>70
STRAIN @ BREAK	%	ISO-527	>15
FLEXURAL STRENGTH	MPa	ISO-178	>95
FLEXURAL MODULUS	MPa	ISO-178	>2200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m <sup>2</sup>	ISO-180	>7.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	>65
HDT AT LOAD 0.45 Mpa	°C	ISO-75	>160
FLAMMABILITY	mm/min	FMVSS302	9.5
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	218

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