



creative thermoplastic compounds

## PS503

Release Date: 15/06/2003

**Flame Retardant, high impact Polystyrene for Injection Moulding applications.**

ASTM

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/cm <sup>3</sup>	ASTM-D792	1.17
MOULD SHRINKAGE	%	--	0.5-0.8
MFI	g/10min	ASTM-D1238 200/5	6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ASTM-D638	20
TENSILE MODULUS	MPa	ASTM-D638	1700
STRAIN @ BREAK	%	ASTM-D638	40
FLEXURAL STRENGTH	MPa	ASTM-D790	35
FLEXURAL MODULUS	MPa	ASTM-D790	1600
NOTCHED IZOD IMPACT STRENGTH +23°C	j/m	ASTM-D256	120
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
UL FLAMMABILITY	--	UL 94 3/1.6mm	V-0

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