



creative thermoplastic compounds

## PS580

Release Date: 05/06/2012

**Flame Retardant V-0, high impact Polystyrene for Injection Moulding applications.**

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m <sup>3</sup>	ISO-1183	1.17
MOULD SHRINKAGE	%	ISO-2577	0.5-0.8
MFI	g/10min	ISO-1133 200/5	20
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	20
TENSILE MODULUS	MPa	ISO-527	1500
STRAIN @ BREAK	%	ISO-527	60
FLEXURAL STRENGTH	MPa	ISO-178	30
FLEXURAL MODULUS	MPa	ISO-178	1400
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m <sup>2</sup>	ISO-180	12
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	60
HDT AT LOAD 0.45 Mpa	°C	ISO-75	70
VICAT SOFTENING POINT	°C	ISO-306	80
UL FLAMMABILITY		UL-94 0.8/1.6mm	V-0

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