

PTS (Plastic Technology Service)
CREAMID – B3HB6
PA6 30% glass balls reinforced

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Page 1

	Test Standard	Unit	Value
1. Physical properties			

Density	ISO 1183	g/cm ³	1.36
Mould shrinkage parallel/normal	ASTM D955	%	1.0/1.2
Water absorption +23 °C (24h)	ISO 62	%	1.5
Water absorption at saturation (+23 °C)	ISO 62	%	6.5

2. Mechanical properties (23°C / 50% r.h.)			
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Izod notched impact strength (+23 °C)	ISO 180/4	J/m	40
Charpy notched impact strength (+23°C)	ISO 179	kJ/m ²	4
Charpy impact strength (+23°C)	ISO 179	kJ/m ²	22
Tensile strength	ISO 527	N/mm ²	60
Strain at break	ISO 527	%	3
Flexural strength	ISO 178	N/mm ²	105
Flexural modulus +23 °C	ISO 178	N/mm ²	4000
Flexural modulus +90 °C	ISO 178	N/mm ²	1400

3. Thermal properties			
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Vicat softening temperature (50N)	ISO 306	°C	205
Temp. of deflection under load (1.80 N/mm ²)	ISO 75	°C	85
Resistance to heat (ball pressure test)	IEC 335	125 °C	passed
Resistance to heat (ball pressure test)	IEC 335	165 °C	passed

4. Electrical properties (23°C / 50% r.h.)			
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Tracking index CTI / CTI-M	IEC 112	Rating	450/250M
Dielectric strength 2mm	IEC 60243	kV/mm	21

5. Flame behaviour			
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UL94 (0.7/1.5mm)	UL94	--	V2/V2 ⁽¹⁾
Glow wire test (GWFI) 2mm	IEC 695-2-12	--	650
Oxygen index (LOI) Method A	ISO 4589	%	24

⁽¹⁾ Own measurement by PTS

The figures in this datasheet are guide values. The values are effected by processing conditions, modifications, additives and environmental conditions and they do not release you from the obligation to check the validity and to undertake tests on your own.

This information is based on our present knowledge and experience. The material data is not to be construed as guaranteeing specific properties and the data can not be used to deduce the suitability for a particular application.