

Product datasheet myTAP™

1 Identification of the substance / preparation / company

Product details

Trade name:	myTAP™
Application of the substance / preparation:	Boil & Bite test appliance for protrusion of lower jaw.
Manufacturer / Supplier:	Scheu Dental GmbH Am Burgberg 20 58642 Iserlohn Germany Tel. 0049 2374 9288-0

2 Composition / information on ingredients

Chemical characterization	Basis:	Boil & Bite:
CAS-Number:	111211-39-3	24980-41-4
Designation:	Polycarbonate	2-oxepanone, homopolymer

3 Handling and storage

Handling

Information for safe handling: When using do not eat, drink or smoke.
Provide suction extractors if dust is formed.

Storage

Storage conditions: Store dry and dark at max. 30°C

4 Physical, chemical, mechanical and biological properties

4.1 General properties

Properties	Guideline	Basis	Boil & Bite
Form	-	Solid	Solid
Colour	-	White	White
Odour	-	Odourless	Odourless
Density	ASTM D792	1,19 g/cm ³	1,10 g/cm ³
Water absorption after 24 h at 23°C	ASTM D570	0,15 %	0,35 %

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4.2 Mechanical properties

Properties	Guideline	Basis	Boil & Bite
Tensile strength (break)	ISO 527	65 MPa	23 MPa
Tensile strength (yield)	ISO 527	63 MPa	-
Flexural Stress	ISO 178	90 MPa	-
Charpy notched impact strength	ISO 179/2C 23°C	35 kJ/m ²	no fracture
Izod notched impact strength	ISO 180/1A 23°C	12 kJ/m ²	no fracture
Elongation at tear	ISO 527	100 %	800 %
E-modulus	ISO 527	2300 MPa	280 MPa
Rockwell Hardness	ASTM D785 R-Scale	118	-

4.3 Thermal properties

Vicat softening point	ISO 306 / B50	140 °C	-
Thermoform resistance	ISO 75 Methode A	122 °C	-
	ISO 75 Methode B	133 °C	-
Melting Point	-	-	58-60 °C

4.4 Biological properties / Biocompatibility

The material has been tested on biocompatibility according to DIN EN ISO 10993. It meets the requirements regarding biological compatibility for medical products / devices.

5 Stability and reactivity

Thermal decomposition / Conditions to avoid:

No decomposition by intended use.

6 Disposal

The material can be recycled after separation or disposed of like commercial or household waste.

The aforementioned data are given most conscientiously but without any obligation. Any processing details are provided merely for guidance: it is the user's responsibility to check the suitability of the product for the intended application.