

Product Datasheet BRUX CHECKER®

1 Identification of the substance / preparation / company

Product details

| | |
|---|---|
| Trade name: | BRUX CHECKER® white |
| Application of the substance / preparation: | Manufacture of dental pressure moulding splints. |
| Manufacturer / Supplier: | Scheu Dental GmbH Am Burgberg 20 58642 Iserlohn Germany Tel. 0049 2374 9288-0 |

2 Composition / information on ingredients

Chemical characterization

| | |
|--------------|--------------------------------------|
| CAS-Number: | 9002-86-2 (PVC) / 13463-67-7 (dye) |
| Designation: | Coated polyvinyl chloride foil (PVC) |

Coating components

| | |
|---------|--------------------------------|
| Lacquer | 9,10,16-Trihydroxypalmitinacid |
| Lacquer | Shellolacid |
| Lacquer | Triethyl citrate |
| Dye | Titanium(IV) oxide powder |

3 Handling and storage

Handling

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

| | |
|---------------------|---------------------------------|
| Storage conditions: | Store dry and dark at max. 20°C |
|---------------------|---------------------------------|

4 Physical, chemical, mechanical and biological properties

4.1 General properties

| Properties | Guideline | Value |
|-------------------------------------|------------------|---|
| Form | - | Solid |
| Colour | - | Transparent film with a white paint layer |
| Odour | - | Odourless |
| Density | ISO 1183 | 1,33 g/cm ³ |
| Water absorption after 24 h at 23°C | ISO 62 Methode 1 | - |

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4.2 Mechanical properties

| Properties | Guideline | Value |
|----------------------|-----------|-----------------------|
| Tensile strength | ISO 527 | > 42 MPa |
| Flexional strength | ISO 527 | - |
| Impact strength 23°C | ISO 179 | 600 KJ/m ² |
| Notched 23°C | ISO 179 | - |
| Yield strain | ISO 527 | - |
| Yield stress | ISO 527 | - |
| Elasticity | DIN 53377 | +/- 4% |
| Elongation at tear | ISO 527 | - |
| E-modulus | ISO 527 | - |
| Hardness Shore D | DIN 53505 | ~ 78 |

4.3 Thermal properties

| | | |
|-------------------------------|--------------------------|-------|
| Vicat softening point | ISO 306 / Verfahren B/50 | 74 °C |
| Thermoform resistance | ISO 75 | 55°C |
| Continuous stress temperature | ISO 75 | 55°C |

4.4 Biological properties / Biocompatibility

The material has been tested on biocompatibility according to DIN EN ISO 10993.

5 Stability and reactivity

Thermal decomposition / Conditions to avoid:

No decomposition by intended use.

6 Disposal considerations

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.