

# Product datasheet BIOCRYL<sup>®</sup> Form X

## 1 Identification of the substance / preparation / company

### Product details

Trade name: **BIOCRYL<sup>®</sup> Form X**

Application of the substance / preparation: CT Radiographic Stent Material

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: 9002-88-4 / 13463-67-7

Designation: Polyethylen low density (PE-LD)  
with Titanium Dioxide

## 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	Value
Form	-	Solid
Colour	-	Light blue
Odour	-	Odourless
Density	ASTM D1505	0,925 g/cm <sup>3</sup>
Water absorption after 24 h at 23°C	ISO 62 Method 1	<0,1 %

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## 4.2 Mechanical properties

Properties	Guideline	Value
Tensile strength	ASTM D882	22 MPa
Flexional strength	-	-
Impact strength 23°C	-	-
Notched 23°C	-	-
Yield stress	ASTM D882	11 MPa
Elongation at tear	ASTM D882	450%
E-modulus	ASTM D882	248 MPa
Hardness Shore A	-	-
Hardness Shore D	DIN 53505	45

## 4.3 Thermal properties

Vicat softening point	ASTM D1525	100°C
Thermoform resistance	-	-
Continuous stress temperature	I-	-

## 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.