

# Product datasheet COPYPLAST® C

## 1 Description of the product / intended use / company

Trade name: **COPYPLAST® C**

Intended use: Thermoplastic foils for the manufacture of appliances and splints for dental and orthodontic treatments.

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: 9003-07-0  
Designation: Polypropylene (PP)

## 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 5 - 35 °C

## 4 Physical, chemical, mechanical and biological properties

### 4.1 General properties

Properties	Guideline	Value
Form	-	Solid
Colour	-	Transparent
Odour	-	Odourless
Density	-	0,91 g/cm <sup>3</sup>
Water absorption after 24 h at 23°C	-	-

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## 4.2 Mechanical properties

Properties	Guideline	Value
Flexural Modulus	ASTM D790	1100 MPa
Tensile Impact Strength	ISO 8256	420 kJ/m <sup>2</sup>
Elmendorf Tear Resistance	ISO 1974	3600 mN

## 4.3 Thermal properties

Properties	Guideline	Value
Melting point	-	~ 140°C

## 4.4 Biological properties / Biocompatibility

A biological evaluation was carried out for the material in accordance with DIN EN ISO 10993-1. It meets the requirements regarding biocompatibility for medical 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.