

Technical Data Sheet  
**CAPILENE® CT 80 A**  
 Specialty Polypropylene



**Product Description**

**CAPILENE® CT 80 A** is a specialty polypropylene combining typical advantages of polypropylene random and heterophasic copolymers.

- Features:**
- Excellent impact
  - Very low stress whitening
  - Mold release
  - Good organoleptic properties
  - Excellent transparency
  - High gloss
  - Clarified
  - Short cycle time

- Uses:**
- Thin wall packaging
  - Large storage boxes
  - Clear pails
  - Food packaging
  - Heavy duty toolboxes
  - Caps and closures
  - Toys
  - Containers

- Processing Methods:**
- Injection molding

Properties	Method	Typical Value*	Unit
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**Physical**

<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	25 g/10 min
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**Mechanical**

<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	24 MPa
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<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	17 %
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<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	900 MPa
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<b>Izod Impact Strength, notched</b>	(+23°C)	ISO 180	18 kJ/m <sup>2</sup>
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<b>Izod Impact Strength, notched</b>	(0°C)	ISO 180	6 kJ/m <sup>2</sup>
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<b>Izod Impact Strength, notched</b>	(-20°C)	ISO 180	3 kJ/m <sup>2</sup>
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**Thermal**

<b>Vicat Softening Temperature</b>	(10 N)	ISO 306	131 °C
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<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	71 °C
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**Optical**

<b>Haze</b>	(1 mm plaque)	ASTM D1003	12 %
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\*Typical values; not to be construed as specifications.

**Health, Quality, Regulations and Safety**

This product is not classified as dangerous substance. Material safety data sheets, international standards certificates (e.g. ISO 9001) and other regulatory documents are available on our website. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.

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# Capilene<sup>®</sup> CT 80 A

## Polypropylene

### General Statement on Compliance with Food Contact Regulations

#### Food contact – European Union

This product complies with the relevant requirements of Regulation 1935/2004/EC on materials and articles intended to come into contact with food, applicable to plastic raw materials.

This product complies with the relevant requirements of Regulation 2023/2006/EC on good manufacturing practice (GMP) for materials and articles intended to come into contact with food, applicable to plastic raw materials.

This product complies with the relevant requirements of Regulation 10/2011/EC (PIM) as amended, on plastic materials and articles intended to come into contact with food, applicable to plastic raw materials.

The monomers and additives used to manufacture this product are listed in the Union List of Authorized Substances of Regulation 10/2011/EC and subsequent amendments.

This product contains one or more ingredients which are subject to a restriction, i.e. a specific migration limit (SML). The identity of substances with a restriction can be disclosed for testing purposes, upon special request and under maintaining secrecy.

Dual use additives may be used in the formulation of the above mentioned product. The identity of those substances can be disclosed upon special request and under maintaining secrecy.

Regulation 10/2011/EC specifies 10 mg/dm<sup>2</sup> as the maximum overall migration from finished plastic food contact articles. The migration should be measured using the actual foodstuff or the appropriate food simulants at the real time/temperature conditions of use, according to the rules specified in Regulation 10/2011/EC and subsequent amendments. It is the



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responsibility of the manufacturer of the finished plastic food contact article to check and confirm that the final article meets both the technical and regulatory requirements of the application. In addition, we remind you that the manufacturers of the finished food contact material or article must verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food.

#### Food contact – US Food and Drug Administration (FDA)

The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(3)(i) and (c)3.1a.

This product may contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, these substances used in this product meet the requirements of their respective FDA regulations, FCNs, and 21 CFR 177.1520(b).

This product meets the FDA criteria in 21 CFR 177.1520 for food contact applications, excluding cooking, listed under conditions of use C through H in 21 CFR 176.170(c), Table<sup>(#)</sup> 2 and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table<sup>(#)</sup> 1.

(#) These tables can be found on the FDA website:

<https://www.fda.gov/Food/IngredientsPackagingLabeling/PackagingFCS/FoodTypesConditionsofUse/default.htm>

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