

# Capa<sup>®</sup> 6800D

Capa 6800D  
CAS Registry Number: 24980-41-4

Revised: 08/28/2020

## Description

Capa 6800D is a high molecular weight linear polyester derived from caprolactone monomer. Supplied in granular form, approximately 3 mm pellets. Designed for use in food contact applications. Please contact Technical Product Manager for further information.

## Applications

Capa 6800D is used in a variety of adhesive applications. It is compatible with a wide range of common thermoplastics and soluble in several common solvents.

## Manufacturing Process

Capa 6800D is a high molecular weight thermoplastic. Due to the nature of the manufacturing process, a small amount of highly viscous material can occasionally be produced which can be observed as small inclusions in sheets during further processing. Ingevity always strives to minimize the formation of these small inclusions, although it cannot be guaranteed.

## Storage

Ingevity recommends storing Capa Thermoplastics in their unopened and undamaged original packaging. The material must be stored at ambient temperature, in an area protected from direct sunlight and the elements. The maximum storage temperature for these products has not been determined, but when stored as recommended, temperatures up to 35°C should present no problems.

## Specifications\*

Melt flow index, g/10 min <sup>1</sup>	4.03-2.01***
Water content, % <sup>2</sup>	Max 0.35
Colour, Hazen <sup>3</sup>	Max 75

Analytical method

<sup>1</sup> 10635, <sup>2</sup> 10668, <sup>3</sup> 10638

Analytical methods available on request

## Typical Properties\*\*

Mean molecular weight	80,000
Melting point, °C (°F)	58-60 (136.40-140)
Elongation at break, %	800
Solubility parameter, (cal/cm <sup>3</sup> ) <sup>½</sup>	9.34-9.43

## Packaging

Bulk	Bag in a box 1102 lb (500kg) bags 2204 lb (1000 kg) bags
Net plastic sacks on 1000kg pallets	44 lbs (20 kg)

\*Specifications and typical property data as produced using Ingevity procedures.

\*\*Typical properties are for general information and are not to be construed as purchase specifications.

\*\*\* Melt flow index is tested with 5.00 kg, 1" PVC die at 160°C

**Safety:** Always refer to the Safety Data Sheet for detailed information on safety. Contact us for SDS information.

**Important:** The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of Ingevity. Furthermore, nothing contained herein shall be taken as an inducement to violate any patent rights.

For more information, contact us.

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