



BASF Intermediates for the coatings industry

Product name: **Capromer™ PD4-05**
(PolyCLO DEG550)

CAS registry no.	36890-68-3
Description	Addition product of ε-Caprolactone to Diethyleneglycol.
Synonyms	Polycaprolactone, PolyCLO, PCLO, PCL
Typical properties (preliminary)	molecular weight: 550 g/mol OH number: 200–210 mg KOH/g acid number: < 0.25 mg KOH/g viscosity (60°C): 58–63 mPas melting point: 18–23°C density: 1.05–1.1 g/m ³
Safety	See material safety data sheet (MSDS) for detailed information on safety.
Packaging	PolyCLO is available currently in drums (200 kg) or as samples of 1 or 5 kg.
Storage and Handling	No danger under normal handling temperatures. Immediately prior to use heat 10 to 20°C above the melting point overnight and agitate to mix well, particularly if haze or precipitated material is observed.
Characteristics	PolyCLO is a colorless to yellowish, viscous or waxy product, having primary hydroxyl groups.
Applications	PolyCLO products are designed for the use in cast and TPU elastomers, adhesives, reactive diluents, and resin intermediates. PolyCLO grades are used where the unique combination of properties including hydrolytic stability, excellent weatherability, good dynamic characteristics, and outstanding low temperature flexibility is desired.
Advantages	PolyCLO offers low color, good hydrolytic stability and weatherability. During manufacturing, PolyCLO provides an improved processability due to the low viscosity, high purity, exact functionality, and consistent reactivity.

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