



BASF Intermediates for the coatings industry

**Product name: Capromer™ PD1-10
(PolyCLO NPG1000)**

CAS registry no.	69089-45-8		
Description	Addition product of ε-Caprolactone to Neopentylglycol.		
Synonyms	Polycaprolactone, PolyCLO, PCLO, PCL		
Typical properties (preliminary)		Capromer PD1-10	Capromer PD1-10 A
	molecular weight:	1000 g/mol	1000 g/mol
	OH number:	107-114 mg KOH/g	107-114 mg KOH/g
	acid number:	< 0.25 mg KOH/g	< 0.05 mg KOH/g
	viscosity (60°C):	140-180 mPas	140-180 mPas
	melting point:	30-45°C	30-45°C
	density:	1.05-1.1 g/m ³	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. Bulk on request.		
Storage and Handling	No danger under normal handling temperatures. Immediately prior to use heat 10 to 20°C above the melting point over night 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	<p>PolyCLO products are designed for the use in cast and TPU elastomers, adhesives, reactive diluents, and resin intermediates.</p> <p>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.</p>		
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.		

IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use.

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