

Speciality Purpose Plasticizer

# Optafleks

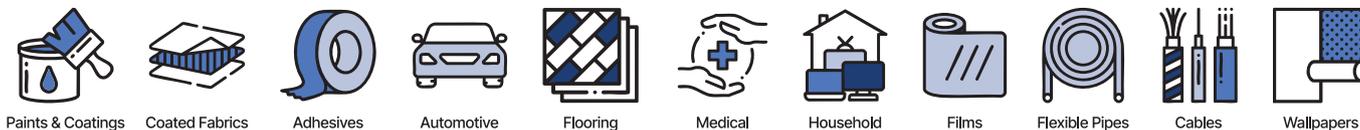
Polymeric 50



## Product Features

- **Optafleks Polymeric 50**, is a Specialty Purpose Plasticizer developed by Plastay's R&D team.
- **Optafleks Polymeric 50** is produced according to our own technology.

## Applications



## Specification

**Chemical Nature:** Neopentyl Glycol Adipate

**Abbreviation:** NPG

**Molecular Weight:** Average  $M_n \sim 5000-6000$

**Formula:**  $-OCH_2C(CH_3)_2CH_2O_2C(CH_2)_4CO_2-$

Property	Test Method	Value
Physical State	-	Viscous Liquid
Appearance	-	Yellowish Liquid (no mechanical impurities)
Density (20°C, g/cm <sup>3</sup> )	ASTM D 1045	1,05-1,11
Ester Content (%)	GC-Home Method	≥ 95
Refractive Index (20°C)	ASTM D 1045	1,4630-1,4650
Viscosity (20°C, cP)	ASTM D 1045	≥ 1600
Flash Point (°C)	ASTM D 93	≥ 158
Acidity (mg KOH/g)	ASTM D 1045	≤ 2,0

**Optafleks Polymeric 50** is based on polyhydric alcohol (NPG) and Adipic Acid. It is compatible with homopolymer and copolymer vinyl resins.

**Optafleks Polymeric 50** is primarily used to plasticize vinyl resins. It provides improved low temperature flexibility, low volatility and processing parameters for the finished products.

**Optafleks Polymeric 50** is compatible with Plastay's General Purpose Plasticizers: **Sunfleks**, **Inafleks**, **Versafleks**.

**Optafleks Polymeric 50** provides lower initial viscosity both to organosols and plastisols leading to higher durability of the finished product.

## Certificates

According to REACH Regulation (EC) No. 1907/2006 **Optafleks Polymeric 50** does not require registration.

## Worldwide Delivery

