

**Chemical Nature:**

Neopentyl Glycol Adipate

**Molecular Weight:**

Average Mn ~ 5000-6000

**Formula:**
 $[-OCH_2C(CH_3)_2CH_2O_2C(CH_2)_4CO]_n$ 
**Disclaimer**

Always follow  
Safety Data Sheet and Technical  
Data Sheet when handling the  
product to avoid warranty void.

## Optafleks Polymeric 50

### Neopentyl Glycol Adipate

**Optafleks Polymeric 50**, is an organic chemical compound, a POLYMERIC ester of Neopentyl Glycol (NPG) and Adipic Acid acting primarily as a Specialty Plasticizer in PVC processing. It is also used in paints and coatings, adhesives and rubber segments.

**Product Specification:**

Property	Test Method	Value
Physical State	-	Viscous Liquid
Appearance	-	Yellowish Liquid (no mechanical impurities)
Density (20°C, g/cm³)	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

**Safety**

**Optafleks Polymeric 50** does not require special handling. Handle in accordance with good industrial hygiene and safety practices. Avoid eye contact by wearing personal protective equipment. If eye contact occurs, wash with flowing water and contact physician. Avoid repeated or prolonged skin contact. Avoid breathing vapors by providing adequate ventilation. Always refer to the Safety Data Sheet (SDS) for detailed information on safety.

**Storage and Handling**

**Optafleks Polymeric 50** should be stored indoors in designated containers/tanks in room temperature and dry surroundings. Please ensure proper ventilation, protect against accumulation of static electricity, keep away from ignition sources.

**Packaging**

**Optafleks Polymeric 50** is available in IBCs. Further packaging options may be available upon enquiry. **Optafleks Polymeric 50** is not considered a dangerous product in accordance with RID/ADR European regulation.


**Information on international certification and registration:**

Optafleks Polymeric 50 is a polymeric ester exempted from REACH registration.

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