

## Plasticizer DINP

*Diisononyl Phthalate*

### Technical Data Sheet

#### Diisononyl Phthalate (DINP)

DINP is a transparent oily liquid with a slight odor. This product is a general-purpose primary plasticizer with excellent performance. This product has good compatibility with PVC and will not precipitate even if used in large quantities. Its volatility, migration and non-toxicity are better than DOP (dioctyl phthalate). It can give the product good light resistance, heat resistance, aging resistance and electrical insulation properties, and its comprehensive performance is better than DOP.

#### Chemical Data:

	Chemical Name	Molecular Formula	CAS No.	Class	EINECS No.
DINP	Diisononyl Phthalate	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	28553-12-0	/	249-079-5

#### Applications:

> It is mainly used for PVC. At the same time, because the products produced with this product have good water resistance and extraction resistance, low toxicity and excellent electrical insulation performance, they are widely used in toy films, wires and cables.

> Its application areas are: industrial films, waterproof cloth, top sheets, floor coverings and wallpapers, compounding materials (mainly cable materials), special fibers and artificial leather adhesives, coatings, solvents, packaging films, pipes, profiles, etc.

#### Physical Properties:

Item	Value	Unit
Appearance	Transparent Oily Liquid	/
Color (APHA/Pt-Co)	25 Max	/
Purity	99.6 Min	%
Density	0.968-0.973	g/cm <sup>3</sup> (@ 20°C )
Molecular Weight	418.61	g/mol
Flash Point	235.00	°C
Moisture	0.05 Max	%
Acidity	0.05 Max	mg KOH/g
Volume Resistivity	3.0 × 10 <sup>11</sup> Min	Ω.cm

#### Storage:

DINP has an almost unlimited shelf life when properly stored in closed containers at temperatures below 40 °C and the exclusion of humidity.

#### Standard Packing:

- 200kgs in Iron Drums
- 1,000kgs in IBC Drums
- 23,000kgs in Flexitank

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