

Technical Data Sheet

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Item Name:

DINP

PRODUCT INFORMATION

Chinese Name:	邻苯二甲酸二异壬酯
Commodity Name:	DINP
Chemical Name:	Di-Isononyl Phthalate
Other Name:	Plasticizer, Di-'Isononyl' Phthalate, Mixture of Esters
CAS No.:	28553-12-0
Molecular Weight:	418.61
Molecular Formula:	$C_{26}H_{42}O_4$

PRODUCT DESCRIPTION

It's colorless transparent liquid. It doesn't dissolve in water. Compatible with polyvinyl chloride, polystyrene, vinyl chloride-vinyl acetate copolymer. Partially compatible with polyvinyl acetate, cellulose acetate butyrate, cellulose nitrate. Incompatible with cellulose acetate, ethyl cellulose, methyl acrylate resin.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	colorless transparent liquid
Color (APHA)	20 max
Acid value (KOH-mg/g) by wt %	0.0215 max
Water content by wt %	0.0348 max
Specific gravity (20/20°C)	0.972
Refractive index (25°C)	1.50 max
Heating loss (125°C × 3hrs) by wt %	0.022 max
Ester content by wt %	99.5 min

MAIN APPLICATION

DINP is a primary excellent plasticizer without toxicity. Which is mainly used for PVC, vinyl chloride copolymer, acid cellulose, ethyl cellulose and synthetic rubber, etc. This product has good intermiscibility with PVC. It's volatile, low mobility and has high plasticizing efficiency with better performance than the DOP, also it has excellent heat resistance, light resistance, ageing resistance and electrical insulation. It's widely used in the toy film, wire and cable industry.

PACKING, LOADING AND SHELF LIFE

Packing: Flexitank

Loading: 23mt/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheet is for informational purposes only and is not considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.