



DINGNUO POLYMER TECHNOLOGY GROUP CO., LTD

Rm. 1201-1, 12/F, Lingshan East Rd., Tianhe Dist., Guangzhou, Guangdong, China

TEL: +86-020-82386132; FAX: +86-020-82386132

Email: saleservice@dingnuo-polymer.com

DI-OCTYL CYCLOHEXANOATE (DOCH)

PROPERTY:

DOCH is a **high-performance, phthalate-free and benzene-free alternative to DOP**, appearing as a colorless, transparent oily liquid. As a hydrogenated derivative of DOP, it offers comparable plasticizing efficiency and PVC compatibility, while providing excellent flexibility, superior migration resistance, durability, heat resistance, very low exudation and volatility, and minimal odor. It is also non-reactive with blood and pharmaceutical solutions, making it suitable for applications requiring stringent environmental and safety compliance.

APPLICATION:

DOCH is primarily used in high-end, high-safety PVC products such as medical equipment like blood infusion bags & medical gloves, premium leather shoes and bags, food packaging films, food container & refrigerator gaskets, toys, gloves, wallpaper, and automotive interior decoration.

SPECIFICATION:

Item of Analysis	Unit	Value
Appearance		Transparent oily liquid
Color	Platinum-Cobalt No. ≤	15
Purity	% ≥	99.5
Flash Point	°C ≥	190
Water	% ≤	0.1
Density	(20°C), g/cm ³	0.950-0.965
Phthalate Content	% ≤	0.01

PACKING:

In iron drums, 200kg net weight per drum, total 80 drums (16MT) per 20' FCL, OR
In IBC tank, 1,000kg net weight per tank, total 20 tanks (20MT) per 20' FCL, OR
In flexibag, around 21-23MT per 20' FCL.

STORAGE/TRANSPORTATION:

If stored in tanks, purge N₂ to prevent moisture absorption.
If stored in drums, keep the container sealed when not in use.