NAN YA

對苯二甲酸二異辛酯
DOTP Di-(2-Ethylhexyl) Terephthalate

說明 Description

DOTP是由異辛醇與對苯二甲酸酯化而成，為非鄰苯二甲酸酯可塑劑，是環保型可塑劑，歐盟國家未列為限制使用之化學物質。與PVC的相容性佳，加工性能優，具較佳熱老化安定性。

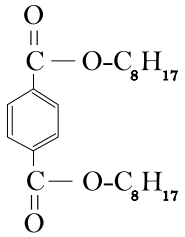
DOTP is produced by esterifying 2-Ethylhexanol and Terephthalic acid. It is a non-phthalate and environmentally friendly plasticizer; it is not listed among the chemical substances restricted by EU countries. It is highly compatible with PVC and has excellent plasticizing efficiency, excellent processing performance, and superior thermal aging stability.

CAS No.: 6422-86-2

規格 Specifications

				DOTP 一般級 General	DOTP B 絕緣級 Insulation	DOTP C 醫療級 Medical	
色相 Color		APHA	25	25	15	Max
酸價 Acid Value		mg KOH/g	0.03	0.03	0.015	Max
酯含量 Ester Content		Wt %	99.5	99.5	99.5	Min
水份 Water Content		Wt %	0.05	0.05	0.05	Max
絕緣阻抗 Volume resistivity	30℃	Ω-cm	$20x10^{11}$	$50x10^{11}$	$50x10^{11}$	Min
比重 Specific Gravity	20/20℃		0.984±0.003	0.984±0.003	0.984±0.003	
折射率 Refractive Index	25℃		1.488±0.003	1.488±0.003	1.488±0.003	
加熱減量 Heating Loss	125℃±3℃x3hrs	Wt %	0.10	0.10	0.10	Max
2-Ethyl hexanol含量 Content		ppm	—	—	50	Max
紫外線吸收度 UV Absorbancy(ABS)			—	—	0.03	Max

物性 Physical Properties

分子式 Molecular Formula		$C_{24}H_{38}O_4$	
構造式 Structural Formula			
分子量 Molecular Weight		g/mole	390
沸點 Boiling Point	(760 mmHg)	℃	400
閃火點 Flash Point		℃	230
粘度 Viscosity	(30℃)	cps	49
流動點 Freezing point		℃	-67

包裝 Packing

Bulk Shipment
ISO-TANK
液袋或200kg鐵桶

Bulk Shipment
ISO-TANK
Flexibag or 200kg Metal Drum

用途 Usage

- 電線電纜 • 膠皮膠布 • 手套 • 鞋子 • 建材
- 醫療器材 • PVC可塑糊等。

- Wires & Cables • Leather & Clothes • Gloves
- Shoes • Construction Materials
- Medical devices • PVC Plastisols, etc.

聯 絡 人 Contact：

賴宏昇 Horng-Sheng Lai +886 2 2712 2211 EXT.5721
eapublic@npc.com.tw

林訓民 Fred Lin +886 2 2712 2211 EXT.5723
fredlin@npc.com.tw

南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION
化工第一事業部・PETROCHEMICAL 1ST. DIV.
台北市敦化北路201號 電話：(02) 2712-2211 EXT 8127
201, TUN HWA N. ROAD, TAIPEI, TAIWAN, R.O.C.
TEL：(886-2) 2712-2211 EXT 8127 FAX：(886-2) 2717-8534

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