



NAN YA

鄰苯二甲酸二異癸酯 DIDP Di-Isodecyl Phthalate

說明 Description

DIDP是由異癸醇與鄰苯二甲酸酐酯化而成。DIDP的低揮發性與優良低溫特性，使得DIDP被應用在不同種的加工上。DIDP具有良好的絕緣阻抗及高溫特性，因此在PVC電纜上廣泛的運用，尤其在高溫級電纜方面。與DEHP比較，使用DIDP於PVC加工上膠化溫度需提高5-10°C，因此在加工條件上必須作一些調整，調整的方式視所使用的製程與設備而定。DIDP成品添加抗氧化劑I-1010，以提高耐熱性，並且可以抑制氧化作用防止變色、分解及揮發。

DIDP is produced by esterifying Isodecanol and Phthalic anhydride. DIDP's low volatility and superior low-temperature characteristic make it applicable to various processes. Due to DIDP's excellent electric resistivity and high temperature characteristic, it has been widely used in the manufacturing of PVC cables, especially high-temperature grade cables. Compared to DEHP in PVC processing, DIDP's gelation temperature is 5-10°C higher than that of DEHP, which requires some processing conditions to be altered. The adjustment varies according to the specific production process and equipment. Generally, DIDP products have the antioxidant I-1010 added to increase heat resistance and control oxidation, which prevents discoloration, decomposition and volatility.

CAS No.: 26761-40-0 / 68515-49-1

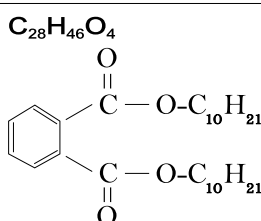
規格 Specifications

		DIDP	DIDP 1	
色 相 Color	APHA	25	25	Max
酸 價 Acid Value	mg KOH/g	0.05	0.05	Max
酯 含 量 Ester Content	Wt %	99.5	99.0	Min
加熱減量 Heating Loss	125°C ± 3°C x 3hrs	0.10	0.10	Max
絕緣阻抗 Volume Resistivity	30°C	3.0x10 ¹¹	3.0x10 ¹¹	Min
比 重 Specific Gravity	20/20°C	0.968 ± 0.003	0.968 ± 0.003	
折 射 率 Refractive Index	25°C	1.483 ± 0.003	1.483 ± 0.003	
水 份 Water Content	Wt %	0.05	0.05	Max
抗氧化劑 Antioxidant Content	Wt %	—	0.350 ± 0.05	

物性 Physical Properties

分子式 Molecular Formula

構造式 Structural Formula



分子量 Molecular Weight		g/mole	446
沸 點 Boiling Point	(760mmHg)	°C	426
閃火點 Flash Point		°C	235
粘 度 Viscosity	(30°C)	cps	75
流動點 Freezing Point		°C	-50

包裝 Packing

Bulk Shipment
ISO-TANK
液袋或200kg鐵桶
IBC桶

Bulk Shipment
ISO-TANK
Flexibag or 200kg Metal Drum
IBC container

用途 Usage

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

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

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