

鄰苯二甲酸二異壬酯

DINP Di-Isononyl Phthalate

說明 Description

DINP是由異壬醇與鄰苯二甲酸酐酯化而成。在許多方面DINP的塑化性質與DEHP類似。然而DINP本身所具備的低揮發性，使得DINP在一些應用上頗佔優勢。DINP屬通用型可塑劑，與DEHP比較，它的可塑化效率、移行性、水萃取率較低，及稍高的膠化溫度與絕緣阻抗。DINP低揮發性，不僅能延長產品壽命，還能降低製程中的蒸發逸散。

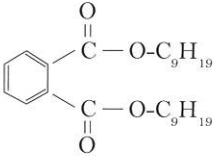
DINP is produced by esterifying Isononanol and Phthalic anhydride. DINP's plasticizing characteristic is similar to that of DEHP. However, DINP's low volatility is advantageous for certain applications. DINP is a general plasticizer. Compared to DEHP, DINP's plasticizing efficiency, migration and water extraction rate are lower, while its gelation temperature and electric resistivity are mildly higher. DINP's low volatility not only extends the life of a product, but also reduces volatility during processing.

CAS No.: 28553-12-0, 68515-48-0

規格 Specifications

色 相 Color		APHA	25	Max
酸 價 Acid Value		mg KOH/g	0.05	Max
酯 含 量 Ester Content		Wt %	99.6	Min
絕緣阻抗 Volume Resistivity	30°C	Ω-cm	3.0x10 ¹¹	Min
加熱減量 Heating Loss	125°C ± 3°C x 3hr	Wt %	0.10	Max
比 重 Specific Gravity	20/20°C		0.978 ± 0.003	
折 射 率 Refractive Index	25°C		1.484 ± 0.003	
水 份 Water Content		Wt %	0.05	Max

物性 Physical Properties

分子式 Molecular Formula		C ₂₆ H ₄₂ O ₄	
構造式 Structural Formula			
分子量 Molecular Weight		g/mole	419
沸 點 Boiling Point	(760mmHg)	°C	403
閃火點 Flash Point		°C	235
粘 度 Viscosity	(30°C)	cps	53
流動點 Freezing Point		°C	-50

包裝 Packing

Bulk Shipment	Bulk Shipment
ISO-TANK	ISO-TANK
液袋或200kg鐵桶	Flexibag or 200kg Metal Drum

用途 Usage

- 電線電纜 • 膠皮膠布 • 手套 • 鞋子 • 建材
- 塑膠製品 • 包裝膜及吹氣塑膠製品
- PVC可塑糊等。
- Wires & Cables • Leather & Clothes • Gloves
- Shoes • Construction Materials • Plastic Products • Wrapping and Plastic Inflation Products • PVC Plastics, etc.