



UPC Chemicals (Malaysia) Sdn. Bhd.

(1062953-K)

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PRODUCT SPECIFICATION

PRODUCT	Di-isononyl phthalate / Diisononyl phthalate / Dinonyl orthophthalates (DINP)
MOLECULAR FORMULA	$C_6H_4(COOC_9H_{19})_2$
CAS NO	28553-12-0; 68515-48-0
GRADE	General GN

SPECIFICATIONS

Color (APHA)	25	Max.	ASTM D1209
Acid Value (mgKOH/g)	0.05	Max.	ASTM D1045
Water Content (wt%)	0.05	Max.	ASTM E203
Volume Resistivity (Ω -cm, 30°C)	2.0×10^{11}	Min.	ASTM D1169
Specific Gravity (20/20°C)	0.975 ± 0.005		ASTM D1298
Refractive Index (25°C) #	1.486 ± 0.005		ASTM D1045
Ester Content (wt%)	99.6	Min.	GC

◎ Remark:

Test item(s) marked with # are not reflected in the COA.

◎ Applications :

DINP is a clear, colorless, and almost odourless liquid. It is soluble in most organic solvents. DINP is mainly used as a PVC plasticizer. As compared to DOP, the low volatility and better durability of DINP significantly reduce the fume emission during the processing procedure and improve its permanence in the final products.

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