**Diisononyl Phthalate (DINP) CAS 28553-12-0**

**1.Product description**

 Diisononyl phthalate(DINP)
 Cas no.: 28553-12-0
 Diisononyl phthalate(DINP)
 Chemical Name: Diisononyl phthalate
 Other Name: DINP   C26H42O4
Molecular weight: 418.61

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 endurability of DINP significantly reduce the fume emission during the processing procedure and improve its permanence in the final products.

**2.Specification**

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| --- | --- | --- |
| Item | Superior | Result |
| Appearance and Color (pt-co) | Transparent liquid without impurities |
| Color (pt-co) | 30max | 20 |
| Content of ester (DOTP) | 99min | 99.89 |
| Density (20oC,g/cm3 | 0.971-0.977 |
| Acidity, mg KOH/g | 0.06max | 0.012 |
| Weight reduced after heating(125oC 2 hours) | 0.10 max | 0.013  |
| Flash point (open-cup)oC | 210min | 220 |

**3.Application**
This product is a general primary plasticizer with fine performances. Mostly used in PVC, chlorethlene polymer, cellulose nitrate ,ethyl cellulose and synthetic rubber. Easily dissolved with PVC, As its volatility, migration and non-toxicity are superior to DOP, it can present products with good light resistance, heat resistance, degradation resistance and electrical insulation. This product is widely used in toy film, wires and cables owing to its excellent properties of water fastness, low toxicity, degradation resistance and electrical insulation.