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PRODUCT SPECIFICATION

产品规格书

Product Name	Diisononyl Phthalate (DINP) 99.5% Min	**Grade / Model**	Industrial PVC plasticizer grade (Plastay Inafleks DINP public specification)
CAS No.	28553-12-0	**Executive Standard**	Plastay Inafleks DINP Technical Data Sheet, Rev. 08 dated 13 June 2025; ASTM methods as listed for each parameter.
Revision Date	2026-11-16	**HS Code**	2917.33 (dinonyl or didecyl orthophthalates; confirm destination-country suffix)

No.	Item	Specification
1	Appearance	Transparent liquid
2	Ester content	≥99.5% (GC home method)
3	Density at 20 °C	0.969–0.979 g/cm³ (ASTM D1045)
4	Refractive index at 20 °C	1.4810–1.4890 (ASTM D1045)
5	Viscosity at 20 °C	70–100 cP (ASTM D1045)
6	Flash point, open cup	≥205 °C (ASTM D92)
7	Water content	≤0.05% (ASTM D1364-02)
8	Acidity	≤0.07 mg KOH/g (ASTM D1045)
9	Color	≤30 Pt-Co (ASTM D1209)
10	Water solubility at 20 °C	≤0.00004 g/L (manufacturer typical value)

Remarks: Packing: ISO tanks, flexitanks/flexibags, IBCs, road tank containers and bulk (Plastay TDS; https://www.plastay.com/documents/products/inafleks-dinp/tds-en.pdf). Other packaging is subject to enquiry.. Storage: Store in the original container in a cool, dry, well-ventilated place, protected from moisture and below 40 °C. Plastay states a two-year storage period when moisture is excluded. Ground containers, keep away from ignition sources, strong oxidants, acids and alkalis, and do not use PVC storage containers.

Specification basis: Public manufacturer specification; final supply subject to Richest COA. The selected specification, safety classification and transport decision all use Plastay's current public Inafleks DINP TDS/SDS for CAS 28553-12-0.