

间苯二甲酸二甲酯(DMIP)

物理性能:

CAS No: 1459-93-4

分子式: $C_{10}H_{10}O_4$

分子量: 194

闪点, C.O.C. : 345 °C

熔点 : 67 - 68 °C

沸点@ 10 mm Hg : 156 °C

比重 : 1.1477 @ 85°C(molten)

质量指标

指标	
外观	白色片状
颜色	≤10
含量,GC	≥99.5%
水分	≤0.10%
酸值(mgKOH/g)	≤0.10 Max
熔点	67-68

用途

间苯二甲酸二甲酯用作聚酯合成的中间体。被用来提高 PET 碳酸饮料瓶的强度和透明度
另外比较大的用途是在工程塑料领域

为加强纤维和薄膜的强度，聚酯必须要具备高的分子量，得到高分子量的最有效的合成线路是通过高纯度的甲基酯类和乙二醇进行酯交换反应。

包装

25 公斤编织袋内衬塑料袋，或者 500 公斤集装袋内衬塑料袋
储罐保温储存，用集装罐运输

产量: 4000 吨/年

Dimethyl Isophthalate(DMIP)

Physical Property

CAS No: 1459-93-4

Molecular formula: $C_{10}H_{10}O_4$

Molecular Weight 194

Physical State White, flake solid

Flash Point, C.O.C. °C, 345

Melting Point, °C 67 - 68

Boiling Point, °C @ 10 mm Hg 156

Specific Gravity 1.1477 @ 85 °C (molten)

Specificates:

One of the principal uses of Dimethyl Isophthalate is as an intermediate in the synthesis of polyesters. In order to obtain the structural strength needed in fibers and films the polyester must be of high molecular weight. The most efficient route to these high molecular weights is through transesterification of methyl ester with a glycol. A specially purified methyl ester is needed in this application.

It is used primarily to improve the clarity and strength of PET carbonated drink bottles. Another significant applicant area is in engineering plastics.

Specifications:

Specs:	
Appearance	White, flake solid
Color(APHA,20% Ethanol)	20 Max
Content,GC	99.5% Min
Moisturer	0.10% Max
Acid Value(mgKOH/g)	0.10 Max

Package

Packed in 25kg PP woven bags, or 500kg Flexible big bag.
Stored in tank with heating equipment, shipped by Iso-tank.
