

TECHNICAL DATA SHEET

Chemical Name: Methyl tetrahydrophthalic anhydride (MTHPA)

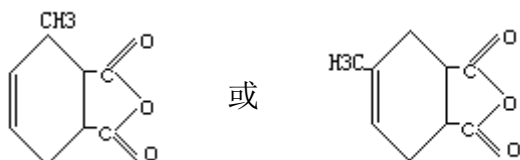
Molecular formula: C₉H₁₀O₃

Molecular weight: 166.17

CAS No.: 26590-20-5 11070-44-3

EC: 234-290-7

Structural formula:



Physical and chemical properties:

It has many excellent properties: high purity, light color, low viscosity, good processing properties, low volatility, low toxicity, low solidifying point, durable at room temperature and so on.





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Technical Data Sheet:

Item \ Model	WNY1002	WNY1001	WNY1008
Appearance	light yellow transparent liquid, no mechanical impurities.		
Color (Pt-Co)	300# Max	200# Max	
Density (g/cm ³ , 20°C)	1.21±0.05		
Freezing Point (°C)	-15 Max		0 Max
Viscosity (Pa.s, 25°C)	0.060 Max	0.045 Max	0.040 Max
Acid Value(mgKOH/g)	660-685		
Anhydride content	41.5% Min		
Volatile content (120°C)	2.00% Max		
Free acid	0.50% Max		

*.Above are standard grades, anhydride mixtures and different isomer structures can be offered

(Mixture of 3- and 4- Isomers)

WNY-1001: suitable for white encapsulation.

WNY-1002: suitable for moulding, pultrusion, interwinding.

WNY-1008: suitable for pipelining.

Application:

MTHPA is a new material for electrical & mechanical products and widely used in potting, casting, winding, and bonding of electronic components, automobile parts, transformers, high voltage capacitors, mutual inductors, and the impregnation of electronic components, resistors, hybrid integrated circuits. Moreover, it is used in fiberglass reinforced plastic application, for filament wound products (FRP pressure vessels, FRP rebars, irrigation pipes, pipelines for oilfield, water filter boxes), insulative bushing, insulated paint and so on.



Storage, Packing & Transportation:

220kg/240kg iron drum or 1050kg/1150kg IBC or as per customer's request.

It should be kept in a cool, dry, and well-ventilated area, protected from moisture and direct sunlight to maintain its stability and prevent crystallization.

Shelf life is 12 months when stored under appropriate conditions.