

Technical data sheet

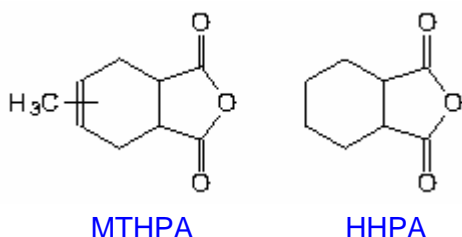
Methyltetrahydrophthalic anhydride/600 (MTHPA/600)

Version: February 2007

Chemical composition

Anhydride MTHPA/600 is a blend of methyltetrahydrophthalic anhydride (MTHPA) and hexahydrophthalic anhydride (HHPA).

Structural formula



Equivalent weight (theoretical): 161.4

CAS number

11070-44-3 (MTHPA)

85-42-7 (HHPA)

EINECS number

234-290-7 (MTHPA)

201-604-9 (HHPA)

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear liquid	L000	
Purity	%	99.0 min	L001	
Colour	Gardner	1 max	GM011	ASTM D -1544
Acid content	%	0.5 max	L002	
CO ₂ development (2% BDMA, 24h @ 50°C)	ml/100g	5 max	G026	

* Internal methods available upon request.

Typical properties

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Characteristics	Unit	Value
Density @ 25°C	g/ml	1.199
Viscosity @ 25°C	mPa.s	64.0
Vapour pressure @ 120°C	mmHg	2.0
Refractive index n_D^{25}		1.4906

Main applications

MTHPA is widely used for :

- casting /potting
- impregnation
- lamination

In the field of reinforced plastics it is used for filament wound products (pipes for oil, poles and sport goods), laminated sheets, printed circuit boards, switch gears.

Thanks to its excellent insulating properties MTHPA found a lot of applications for the production of electrical parts such as:

- capacitors
- resistors
- transformers
- ignition coils
- wiring parts
- fly back transformers

MTHPA/600 has been especially developed for filament winding applications, it has superior wetting ability for fiberglass and an excellent price/performance ratio.

Handling

Packaging: galvanized steel drum 220 kg;
 bulk;
 upon request other form of packaging can be available.

Storage: it must be stored away from open flames or other potential ignition sources, and should be protected from moisture because it easily crystallizes when in contact with the air moisture.

Shelf life: 12 months from production date.

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