

## Technical data sheet

### Methyltetrahydrophthalic anhydride/PI-K05 (MTHPA/PI-K05)

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#### Chemical composition

Anhydride MTHPA PI-K05 is a pre-accelerated blend of methyltetrahydrophthalic anhydride (MTHPA), hexahydrophthalic anhydride (HHPA) and methylhexahydrophthalic anhydride (MHHPA).

**Equivalent weight (theoretical):** 165.8

#### Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear liquid	L000	
Purity	%	99.0 min	L001	
Colour	G	3 max	GM011	ASTM D-1209
Acid content	%	2.0 max	L002	
Gel time @ 100°C (Resin liquid Bisphenol A type - EE:190 Ratio 100/90 by weight)		54 ÷ 66	L032	DIN 16945/16916

\* Internal methods available upon request.

#### Typical properties

Characteristics	Unit	Value
Density @ 25°C	g/ml	1.16
Viscosity @ 25°C	mPa.s	55 ÷ 65

## 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 PI-K05 is special grade which shows a superior weatherability and U.V. resistance, similar to hydrogenated hardeners.

## Handling

**Packaging:**                   Stell painted drum 220 kg,  
IBC (Iso Bulk Container),  
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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