

Technical data sheet

Methyltetrahydrophthalic anhydride 604 K2 (MTHPA 604 K2)

Version: 01 date: March 2013

Chemical Composition

MTHPA 604 K2 is a pre-accelerated blend of cycloaliphatic anhydrides. Main components are MTHPA isomers.

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear liquid	L000	
Anhydride Equivalent		158 ÷ 168	L001	
Colour	Gardner	6 max	GM011	ASTM D-1544
Viscosity @ 25 °C	mPa.s	50 ÷ 90	G006	DIN 53015
Gel time @ 25°C	min.	14 ÷ 20	L032	

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Density @ 25°C	g/ml	1,206
Viscosity @ 25°C	mPa.s	Appr.80
Refractive index n_D^{25}		1,500

Main applications

MTHPA 604 K2 is used as hardener for epoxy resins.

MTHPA 604 K2 can be easily blended with various liquid resins providing stable, low viscous mixtures and long pot lives. It is widely used for:

- Casting / Potting
- Impregnation
- Lamination

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

MTHPA 604 K2 finds also applications for the production of electrical parts such as: capacitors, resistors, wiring parts transformers, ignition coils, fly back transformers.

Handling

Packaging: galvanized drum 220 kg;
bulk;
IBC 1100 Kg

Storage: It must be stored away from open flames or other potential ignition sources, and should be protected from moisture. It easily crystallizes when into contact with the air moisture. During the winter season MTHPA 604 K2 may solidify, but it can be easily remelted by simply heating without any effect on product quality.

Shelf life: 12 months from production date.

The information contained in this sheet is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.

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