

Technical data sheet

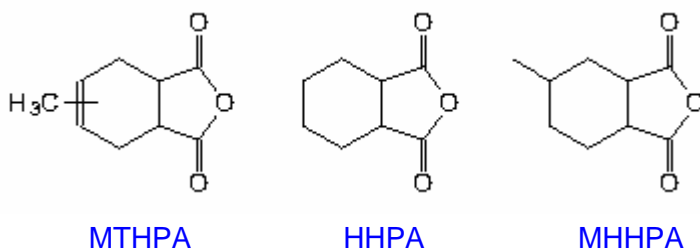
Methyltetrahydrophthalic anhydride/500 K6 (MTHPA/500 K6)

Version: February 2007

Chemical composition

Anhydride MTHPA/500 K6 is a blend of methyltetrahydrophthalic anhydride (MTHPA), hexahydrophthalic anhydride (HHPA) and methylhexahydrophthalic anhydride (MHHPA).

Structural formula



CAS number

11070-44-3 (MTHPA)

85-42-7 (HHPA)

19438-60-9 (MHHPA)

EINECS number

234-290-7 (MTHPA)

201-604-9 (HHPA)

243-072-0 (MHHPA)

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear brown liquid	L000	
Anhydride equivalent		175 ÷ 185	L001	
Colour	Gardner	8 max	GM011	ASTM D-1544
Refractive index n_D^{25}		1.492 ÷ 1.494	GM020	ASTM D-542
Viscosity @ 25°C	mPa.s	100 ÷ 150	G006	DIN 53015

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Density @ 25°C	g/ml	1.184
Vapour pressure @ 120°C	mmHg	3.0

Main applications

MTHPA/500 K6 is mainly used in the field of reinforced plastics for filament winding products (pipes for oil, poles and sport goods), laminated sheets, printed circuit boards, switch gears. It can be easily blended with various liquid resins and widely used for casting/potting, impregnation and lamination.

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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