



### TLC plates, silica gel 60, unmodified and chemically modified layers, aluminium backed



#### TLC plates, unmodified silica gel 60

This range of plates uses Merck silica gel 60 with a unique polymeric binder that results in a uniform and hard surface that will not easily crack or blister. The smooth and extremely dense plate coating ensures narrow bands and maximum separation efficiency with the lowest background noise.

- Layer thickness 200 µm, particle size of 10 - 12 µm
- Flexible aluminium plates that can easily be cut to match individual separation requirements
- Two inorganic fluorescent indicators for UV detection of colourless substances
- Samples which absorb shortwave UV at 254 nm are detected due to fluorescence quenching

#### TLC plates, concentrating zone

These plates are based on the different adsorption properties of two silica adsorbents: An inert large pore concentrating adsorbent where the samples are applied and a selective layer for the separation. Independent of the shape, size or position of the spots the sample always concentrates within seconds as a narrow band at the interface of the two adsorbents, where the separation begins.

- Quick and easy sample application
- Includes a purification and concentration step
- Better resolution due to sharp bands

#### TLC plates, modified silica gel 60

Modified silica layers (layer thickness 200 µm) are well suited for most problem separations that cannot be adequately resolved using unmodified silica.

- Results less dependent on atmospheric humidity
- Allows use of aqueous solvent systems
- RP-modified silica provides a ready correlation with HPLC
- No catalytic activity for unstable substances (oxidative degradation)

Description	Format (mm)	Thickness (µm)	Pk	Cat. No.
TLC silica gel 60, unmodified	50×100	200	50	1.16835.0001
TLC silica gel 60, unmodified	200×200	200	25	1.05553.0001
TLC silica gel 60 F254**, unmodified	50×75	200	20	1.05549.0001
TLC silica gel 60 F254**, unmodified	50×100	200	50	1.16834.0001
TLC silica gel 60 F254**, unmodified	100×200	200	25	1.05570.0001
TLC silica gel 60 F254**, unmodified	200×200	200	25	1.05554.0001
TLC silica gel 60 F254**, unmodified	5000×200	200	1 Roll	1.05562.0001
TLC silica gel 60 W*, unmodified	200×200	200	25	1.16487.0001
TLC silica gel 60 W* F254s***, unmodified	200×200	200	25	1.16484.0001
TLC silica gel 60 F254** with concentrating zone 25×200 mm	200×200	200	25	1.05583.0001
TLC silica gel 60 with concentrating zone 25×200 mm	200×200	200	25	1.05582.0001
TLC silica gel 60 NH <sub>2</sub> F254**, modified	200×200	200	20	1.05533.0001
TLC silica gel 60 RP-18 F254s***, modified	50×75	200	20	1.05560.0001
TLC silica gel 60 RP-18 F254s***, modified	200×200	200	20	1.05559.0001

\* W: wettable with water

\*\* F254: fluorescent indicator

\*\*\* F254s: acid stable fluorescent indicator



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