

EH6 Extra Hard TLC Plates

Whatman EH6 series extra hard TLC plates address chromatographers' need for harder, smoother, more abrasion-resistant layers. These technologically advanced plates facilitate dipping and spraying and will not crack or flake. The plates will withstand most solvent systems and any applied visualization reagent without silica falling off the plate or reacting with the reagents. They can be charred to 180° C with cupric acetate/phosphoric acid reagents.

Each lot of EH6 TLC plates undergoes extensive quality control testing including a pendulum hardness test to ensure outstanding lot-to-lot reproducibility.

Features and Benefits

- Extra hard surface makes it easier to write on with a pen or pencil
- Highly reflective surface minimizes background noise while scanning
- Superior organic binder prevents surface deterioration even when using the strongest reagent
- Uniform particle size and distribution add to efficiency by reducing band spreading
- Available in bulk quantities

Applications

- The 60 Å pore 450 m²/g surface area silica used provides optimum characteristics for most clinical, educational and general analytical applications
- Moderate development times and bands with excellent resolution make the EH6 Series plates very suitable for screening and toxicology work
- Ultra low noise backgrounds allow you to perform scanning densitometry with maximum detection range

Ordering Information - EH6 Extra Hard TLC Plates

Catalog Number	Description	Size (cm)	Layer Thickness (µm)	Fluorescent Indicator	Quantity/Box
4841-820	EH6F	20 x 20	250	Yes	25
4841-125	EH6F	2.5 x 7.5	250	Yes	500

Flexible TLC Plates

Flexible backed TLC plates (supplied in a single 20 cm x 20 cm size) offer you economy and convenience. They can be cut with scissors to match individual separation requirements, making them ideal for applications that require rapid sample isolation or elution prior to other analytical techniques (e.g. scintillation counting).



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Features and Benefits

- Silica gel 60Å flexible plates exhibit similar selectivity to the glass backed K6 plates and are widely applicable for moderately to strongly polar analytes (Available on aluminum or polyester backing material)
- Ion exchange plates (DEAE - diethylaminoethyl tertiary amine) are used for anionic species and are available on polyester backed material
- Aluminum backing is particularly useful for applications requiring charring
- Polyester backed plates can be heated up to 110° C and are compatible with mobile phases containing strong acids or bases



Ordering Information - Flexible TLC Plates

Catalog Numbers	Type	Product Code	Flexible Backing	Layer Thickness (µm)	Plate Size (cm)	Fluorescent Indicator	Quantity/Pack
4410-221	Silica Gel 60Å	PE SIL G	Polyester	250	20 x 20	-	25
4410-222	Silica Gel 60Å	PE SIL G/UV254	Polyester	250	20 x 20	Yes	25
4420-221	Silica Gel 60Å	AL SIL G	Aluminum	250	20 x 20	-	25
4420-222	Silica Gel 60Å	AL SIL G/UV254	Aluminum	250	20 x 20	Yes	25
4410-224	DEAE cellulose	PE CEL300 DEAE (Diethylaminoethyl)	Polyester	100	20 x 20	-	25

Partisil High Performance TLC Plates

Whatman HPTLC plates can be used for your most sensitive separations. These plates consist of a 4.5 µm particle size silica gel plus an inert binder in a uniform 200 µm layer on glass. They exhibit product characteristics typical of Whatman silica gel media: narrow particle size distribution, homogeneity and overall uniformity. The results are performance and reproducibility, giving you the ultimate in TLC resolution and sensitivity.



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