



RESIN INFORMATION SHEET

Product Name TOYOPEARL® AF-Epoxy-650M
(Activated base resin for affinity chromatography)

Part Numbers	43402	TOYOPEARL AF-Epoxy-650M, 5 g
	08000	TOYOPEARL AF-Epoxy-650M, 10 g
	08038	TOYOPEARL AF-Epoxy-650M, 100 g
	18315	TOYOPEARL AF-Epoxy-650M, 1 kg

Product Description TOYOPEARL chromatographic resins are based on a rigid methacrylic polymer, resulting in high mechanical and chemical stability. Resins are available as non-functionalized “HW” series resins for size exclusion separations, and derivatized with surface chemistries for alternative modes of chromatography such as ion exchange, hydrophobic interaction or affinity separations.

TOYOPEARL AF-Epoxy-650M is an activated support resin for affinity chromatography. The product is prepared with high density epoxy functionalisation of TOYOPEARL HW-65. It is especially useful when high densities of low molecular weight species are to be coupled, such as glycine and glutathione. Proteins may also be immobilised.

Operating Conditions	Packing pressure	Typically 0.3 MPa
	Shipping preservative	Freeze dry
	Pressure limiting factor	Depend on column hardware (typically 0.7 MPa)
	Operating linear flowrate	Typically 10 - 600 cm/hour
	Long-term storage conditions	Dry

Specifications	Particle size distribution (min. 80 % within range)	40 - 90 µm
	Epoxy group concentration	600 - 1000 µeq/L - gel
	Foreign substance (colored particle)	Unobserved

Additional Information	Appearance	White powder
	Mean pore diameter (base resin)	100 nm (*)

(*) The value is for reference only, not guaranteed.

Lot-specific data are included in the Certificate of Analysis (COA) shipped with the product. For detailed test procedures please refer to the appropriate Regulatory Support File.