



## RESIN INFORMATION SHEET

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

**Part Numbers**

0043402	TOYOPEARL AF-Epoxy-650M, 5 g
0008000	TOYOPEARL AF-Epoxy-650M, 10 g
0008038	TOYOPEARL AF-Epoxy-650M, 100 g

**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.

<b>Operating Conditions</b>	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

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

<b>Additional Information</b>	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.