



RESIN INFORMATION SHEET

Product Name TOYOPEARL® AF-Amino-650M
(Reactive resin for affinity chromatography)

Part Numbers

0043411	TOYOPEARL AF-Amino-650M, 10 mL
0008002	TOYOPEARL AF-Amino-650M, 25 mL
0008039	TOYOPEARL AF-Amino-650M, 100 mL
0018074	TOYOPEARL AF-Amino-650M, 1 L
0018316	TOYOPEARL AF-Amino-650M, 5 L

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-Amino-650M is a reactive support resin for affinity chromatography. The product is prepared by introducing amino groups onto TOYOPEARL HW-65. Amino-activated material is able to immobilize ligands with carboxyl or formyl groups.

Operating Conditions	Packing pressure	Typically 0.3 MPa
	Shipping solvent	20 % (v/v) ethanol
	Shipping formulation	72 % (v/v) slurry in shipping solvent (*)
	Pressure limiting factor	Depend on column hardware (typically 0.7 MPa)
	Operating linear flowrate	Typically 10 - 600 cm/hour
	Long-term storage conditions	20 % (v/v) ethanol

Specifications	Particle size distribution (min. 80 % within range)	40 - 90 µm
	Ion exchange capacity	70 - 130 meq/L
	Bacterial count	Max. 100 CFU/mL
	Endotoxin concentration	Max. 10.0 EU/mL
	Eluable matter	Max. 0.2 % (for dry gel)
	Foreign substance (colored particle)	Unobserved

Additional Information	Appearance	White resin slurry which settles upon standing
	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.