



RESIN INFORMATION SHEET

Product Name TSKgel® Phenyl-3PW
(Hydrophobic interaction chromatography resin)

Part Numbers

0023566	TSKgel Phenyl-3PW (20), 25 mL
0023568	TSKgel Phenyl-3PW (20), 250 mL
0023569	TSKgel Phenyl-3PW (20), 1 L
0023570	TSKgel Phenyl-3PW (20), 5 L
0023571	TSKgel Phenyl-3PW (20), 25 L
0023572	TSKgel Phenyl-3PW (20), 50 L

Product Description TSKgel is a methacrylic polymer with very high mechanical and chemical stability.

TSKgel Phenyl-3PW chromatographic resins are designed for hydrophobic interaction chromatography. This chromatographic mode separates molecules on the basis of hydrophobic interactions between the sample and the ligand. The separation is usually accomplished in buffered aqueous solution with a gradient of decreasing ionic strength.

Operating Conditions	Packing pressure	Typically 1 MPa
	Shipping solvent	20 % (v/v) ethanol
	Shipping formulation	72 % (v/v) slurry in shipping solvent (*)
	Pressure limiting factor	Depend on column hardware (typically 2 MPa)
	Operating linear flowrate	Typically 60 - 1200 cm/hour (depend on particle size)
	Long-term storage conditions	20 % (v/v) ethanol
	Cleaning-in-place/Sanitization	0.1 - 0.5 mol/L NaOH or 0.1 mol/L HCl

Specifications	Particle size distribution (min. 80 % within range)	15 - 25 µm
	Protein adsorption capacity (of Lysozyme)	Min. 45 g/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)	25 nm (*)

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

Lot-specific data are included in the Certificate of Analysis (COA) shipped with the product.