



RESIN INFORMATION SHEET

Product Name	TSKgel® Phenyl-5PW (Hydrophobic interaction chromatography resin)	
Part Numbers	0043277	TSKgel Phenyl-5PW (20) , 25 mL
	0014718	TSKgel Phenyl-5PW (20) , 250 mL
	0014719	TSKgel Phenyl-5PW (20) , 1 L
	0018438	TSKgel Phenyl-5PW (20) , 5 L
	0043177	TSKgel Phenyl-5PW (30) , 25 mL
	0014720	TSKgel Phenyl-5PW (30) , 250 mL
	0014721	TSKgel Phenyl-5PW (30) , 1 L
	0017210	TSKgel Phenyl-5PW (30) , 5 L
Product Description	<p>TSKgel is a methacrylic polymer with very high mechanical and chemical stability.</p> <p>TSKgel Phenyl-5PW 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.</p>	
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. 70 % within range)	15 - 25 µm for (20)-grade 20 - 40 µm for (30)-grade
	Protein adsorption capacity (of Lysozyme)	15 - 35 g/L for (20)-grade 10 - 30 g/L for (30)-grade
	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.