



## RESIN INFORMATION SHEET

<b>Product Name</b>	<b>TSKgel® Super Q-5PW</b> (Strong anion exchange resin)	
<b>Part Numbers</b>	43383	TSKgel SuperQ-5PW (20), 25 mL
	18535	TSKgel SuperQ-5PW (20), 250 mL
	18546	TSKgel SuperQ-5PW (20), 1 L
	18547	TSKgel SuperQ-5PW (20), 5 L
	21919	TSKgel SuperQ-5PW (20), 25 L
	21920	TSKgel SuperQ-5PW (20), 50 L
	43283	TSKgel SuperQ-5PW (30), 25 mL
	18536	TSKgel SuperQ-5PW (30), 250 mL
	18548	TSKgel SuperQ-5PW (30), 1 L
	18549	TSKgel SuperQ-5PW (30), 5 L
<b>Product Description</b>	<p>TSKgel is a methacrylic polymer with very high mechanical and chemical stability.</p> <p>TSKgel SuperQ-5PW chromatographic resin is designed for ion exchange chromatography. This chromatographic mode separates molecules on the basis of ionic interactions between the sample and the resin. The separation is usually accomplished in buffered aqueous solution with a gradient of increasing ionic strength. Alternatively, pH adjustment may be used for control of elution.</p>	
<b>Operating Conditions</b>	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
<b>Specifications</b>	Particle size distribution (Min. 70 % within range)	15 - 25 µm for (20)-grade 20 - 40 µm for (30)-grade
	Ion exchange capacity	0.12 - 0.18 eq/L
	Protein adsorption capacity (of BSA)	52 - 88 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
<b>Additional Information</b>	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.