



RESIN INFORMATION SHEET

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| Product Name | TSKgel® Ether-5PW (Hydrophobic interaction chromatography resin) | |
| Part Numbers | 0043276 | TSKgel Ether-5PW (20) , 25 mL |
| | 0016052 | TSKgel Ether-5PW (20) , 250 mL |
| | 0016053 | TSKgel Ether-5PW (20) , 1 L |
| | 0018437 | TSKgel Ether-5PW (20) , 5 L |
| | 0043176 | TSKgel Ether-5PW (30) , 25 mL |
| | 0016050 | TSKgel Ether-5PW (30) , 250 mL |
| | 0016051 | TSKgel Ether-5PW (30) , 1 L |
| | 0018439 | TSKgel Ether-5PW (30) , 5 L |
| Product Description | <p>TSKgel is a methacrylic polymer with very high mechanical and chemical stability.</p> <p>TSKgel Ether-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) | 10 - 30 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) | 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.