

## TECHNICAL DATA SHEET FOR WIDE PORE SILICA GEL (TYPE C)

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Items	Technical Data								
Mesh	20-40	30-60	30-100	30-120	40-120	60-100	80-120	100-200	150-300
Particle Qualification Rate % $\geq$	87.0	87.0	87.0	87.0	87.0	87.0	86.0	86.0	86.0
Wear Rate % $\leq$	—	8	8	8	8	—	—	—	—
Bulk density g/L	440-480	430-470	430-470	430-470	430-470	430-470	400-450	400-440	400-440
Pore Volume mL/g $\geq$	0.85	0.90	0.90	0.90	0.95	0.95	1.00	1.00	1.00
Loss on drying (150℃) % $<$	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.8	3.8
Specific surface $m^2/g \geq$	350	350	350	350	350	350	330	330	330
Na <sub>2</sub> O % $\leq$	0.300								
SiO <sub>2</sub> % $\geq$	98.0								

### Identity:

Inspection rules: take the 15cm diameter mouth as the counting tool, dig out the contents of the package and measure the number of impurities in the package. Repeat the operation for three times for each package of products. Only if the products are judged to meet the requirements three times, can they be qualified. The following are the criteria for qualification:

### Air-formed products

- 1) 20-40 mesh: 2 heterochromatic particles with the size of 20-40 mesh, 10 white rubber residue, and impurities with the size of >10 mesh are not allowed.
- 2) 30-50 mesh, 30-60 mesh: 3 heterochromatic particles with the size of 30-60 mesh, less than 5 white glue residues, and impurities with the size of >20 mesh are not allowed.
- 3) 40-60 mesh, 40-80 mesh, 40-100 mesh: <4 heterochromatic particles with the size of 40-100 mesh, 65 self-colored rubber residues, and >30 mesh impurities are not allowed.
- 4) 40-120 mesh, 30-100 mesh, 30-120 mesh: 5 heterochromatic particles with the size of 30-120 mesh, and impurities >20 mesh are not allowed.
- 5) 50-100 mesh, 60-100 mesh, 80-120 mesh: 6 heterochromatic particles with the size of 50-120 mesh, and impurities >40 mesh are not allowed.
- 6) 80-200 mesh, 100-200 mesh, 150-300 mesh, 200-400 mesh: 7 heterochromatic particles with 80-400 mesh size, and impurities with >70 mesh size are not allowed

### Oil-formed products:

- 1) 20-100 mesh: based on the plane range of the mouth with a diameter of 15 cm, 66 heterochromatic particles with the size of 20-100 mesh, less than 10 self-colored rubber residue, and more than 20 mesh are not allowed
- 2) The colloid is crystal clear, and it is not allowed to appear milky white and with poor transparency.

### Notes:

1. The above control indicators are the minimum indicators of the product, and can also be adjusted according to customer requirements. 2. The impurity control standard is formulated for the special application area, and the modified raw material and diamine can be reduced by 30%. 3. The modified copper raw material glue control index: particle size: >30 mesh <10%, <100 mesh <1%; Bulk density: 440-480eL: pore volume >9Le: heating 4%: specific volume 30mt - t'e: NeO% 0.22