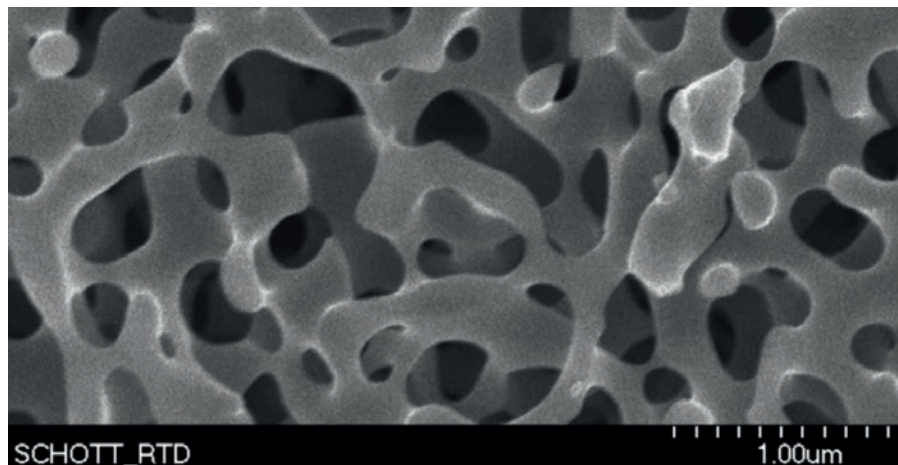


# SCHOTT CoralPor® Porous Glass

## Product Information



Cold field emission scanning electron microscope image of SCHOTT CoralPor® porous glass

### Description

SCHOTT CoralPor® porous glass is produced from a borosilicate mother glass that is subjected to meticulously controlled thermal and chemical treatments to create open porosity that can be tailored to meet even the most demanding customer specifications.

### Benefits

- Porosity attributes can be tuned over a very wide range
- Enhanced chemical durability over a broad pH range (1 to 14)
- High silica, rigid interconnected network microstructure with a low coefficient of thermal expansion
- High internal surface area that can be functionalized using a variety of standard chemical techniques
- Available in numerous formats that include powder, rods, discs, and custom shapes

Product Specifications		
	CoralPor® 1000*	CoralPor® 2000
Average pore diameter	4 – 10 nm	40 – 300 nm
Pore diameter distribution	10 – 30 %	7 – 25 %
Surface area	100 – 170 m <sup>2</sup> /g	7 – 40 m <sup>2</sup> /g
Pore volume	0.2 – 0.3 cc/g	0.4 – 1.0 cc/g

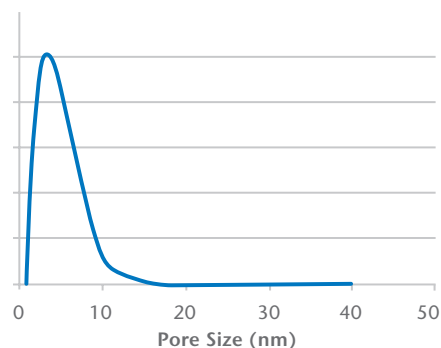
Values indicated above are the typical ranges of nominal performance. SCHOTT CoralPor® products are also available with enhanced chemical durability. As SCHOTT CoralPor® porous glass is tailored to meet specific requirements, please contact SCHOTT to discuss your application.

\*Custom geometries available upon request.

### Typical Product Applications

CoralPor® 1000	CoralPor® 2000
<ul style="list-style-type: none"> <li>• Reference electrode junctions</li> <li>• Desiccants</li> <li>• Coatings</li> <li>• Medical devices</li> </ul>	<ul style="list-style-type: none"> <li>• Chromatography substrate/catalyst support</li> </ul>

### CoralPor® 1000



### CoralPor® 2000

