



**Improved flow and superior  
compactibility to solve your formulation  
and processing challenges**

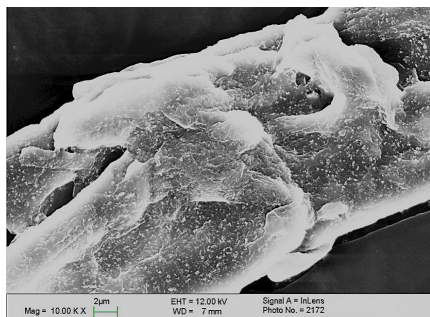
# **AVICEL® SILICIFIED MICROCRYSTALLINE CELLULOSE (SMCC)**



Where science  
& creativity meet

**An ideal choice to address powder flow-related challenges while maintaining high compactibility.**

Avicel® SMCC NF, JP, Ph. Eur. is designed to solve complex formulation problems, simplify your manufacturing process and delivering superior formulation benefits.



SEM of Avicel® SMCC 90

**The brand you trust**

Avicel® is the most trusted excipient on the market and has been for more than 50 years. Avicel® SMCC is built on IFF’s extensive experience developing the highest-quality cellulosics ingredients and backed by unsurpassed global technical expertise to help solve your toughest formulation challenges. We offer three grades of SMCC (Avicel® SMCC 50, Avicel® SMCC 90, and Avicel® SMCC HD90) to meet your formulation needs.

**Synergistic solutions**

Co-processed excipients deliver functional synergies with the convenience of worry-free scale-up. Avicel® microcrystalline cellulose, co-processed with silicon dioxide, provides improved intrinsic powder flow and tablet compactibility, ensuring superior tableting performance in even your most challenging formulations.

**Reduced complexity**

Avicel® SMCC, a high-functionality excipient, is easy to blend and facilitates simplified formulations with fewer excipients. Your product’s improved compactibility results in scalable, robust manufacturing processes that can lead to overall reductions in time and cost.

**Features and benefits**

- Optimum flow
- Superior compactibility
- Excellent binding properties
- Greater ease of blending
- Increased content uniformity
- Improved lubrication tolerance
- Less material wastage
- Allows for robust formulations with fewer ingredients
- Greater ease of scale-up
- Reduced manufacturing costs
- Highly suitable for continuous manufacturing

**Contact us to find out how IFFs Avicel® SMCC, a high-functionality excipient, can work for you.**

Specifications	Avicel® SMCC 50	Avicel® SMCC 90	Avicel® SMCC HD 90
Particle size, D50, µm	45 - 80	90 - 150	90 - 160
Bulk density, g/mL	0.25 - 0.37	0.25 - 0.37	0.38 - 0.50
ROI, %	1.8 - 2.2	1.8 - 2.2	1.8 - 2.2
LOD, %	NMT* 6.0	NMT* 6.0	NMT* 6.0

\* NMT = not more than; other specifications comply with pharmacopeial standards.

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