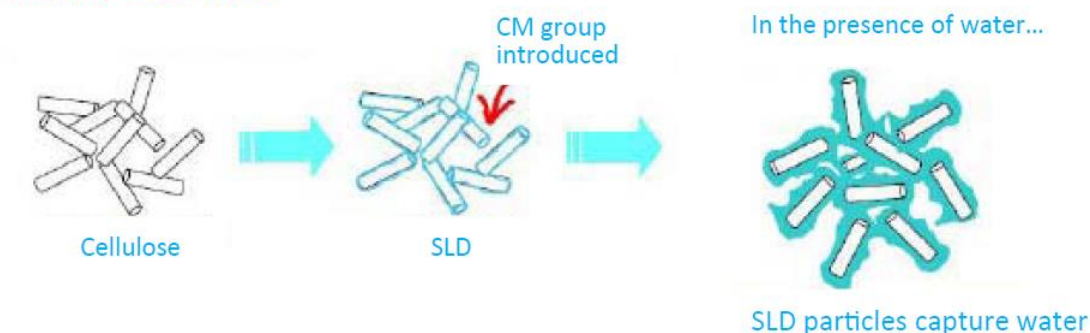




## Water-insoluble sodium carboxymethyl cellulose Sunrose® SLD Series – Water absorption –

Sunrose® is a carboxymethyl cellulose (CMC) produced from carboxymethylated natural cellulose that is widely used in various fields and is not only harmless to humans but is also biodegradable, making it environmentally friendly. NIPPON PAPER CHEMICALS has also developed Sunrose® SLD, slightly carboxymethylated cellulose. This type of CMC combines properties of both powdered cellulose and CMC.

### Sunrose® SLD model



### Water absorption of Sunrose® SLD Series

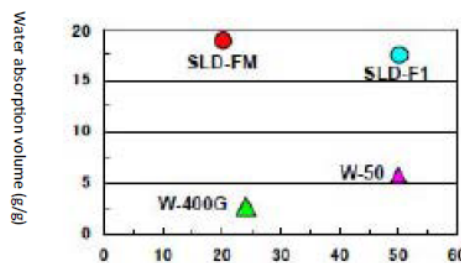
Comparison between powdered cellulose and SLD for average particle size and water absorption

Product	KC Flock (powdered cellulose)		Sunrose® SLD	
	W-50	W-400G	SLD-F1	SLD-FM
Average particle size (μm)	50	24	50	20
Water absorption volume (g/g)	5.7	2.7	17.5	19.0

Sunrose® SLD Series increases its water absorbency by 3 to 7 times compared to powdered cellulose products, ensuring better water retention.

### Water-absorption testing

Drip water on a 1-gram sample and measure water absorption (grams of water per gram of sample) to the point where the water begins to seep out.



Comparison between powdered cellulose and Sunrose® SLD for average particle size and water absorption

For more details on our products, please contact:

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