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MediSAP™ Superabsorbent Polymers Typical Absorption Properties

The properties of blood and medical waste are complicated and it is often difficult to effectively bind these types of liquids due to high viscosities and the frequent presence of proteinaceous matter.

The **MediSAP™** superabsorbent polymers are prepared by a unique chemical process whereby the final product is made of tiny spherical particles that -- when viewed under an SEM microscope -- contain a myriad of channels. These channels provide a large particulate void volume and a means by which water and large molecules can be rapidly absorbed.

Two versions of the product are available and differ mainly by the speed of hydration.

Chemical Name	Sodium Polyacrylate, cross-linked
CAS No.	09003-04-7
Product Description	White to off-white granular product.

	<u>MediSAP™ 661</u>	<u>MediSAP™ 715</u>
Absorption Capacity (g/g) (1% NaCl)	55 - 65	55 - 65
Speed of Hydration (sec)	25 - 35	< 10
Particle Size Distribution:		
850 µm	0	0
500 µm	3	< 1
250 µm	65	28
180 µm	25	60
106 µm	6	5
Screen	< 1	< 1