

CSM PROPERTIES  
SKAPS FIBERGLASS



DESCRIPTION	CSM (E/P)	STITCH CSM	STITCH MAT WITH VEIL	ADVANTAGES
<b>Resin Consumption</b>	More due to size binder	Less due to stitching	Comparitively high than SCSM	10% less in SCSM
<b>Glass Content</b>	Less due to high resin consumption	More and the mechanical are more	Stands between CSM (E/P) & SCSM	High glass content
				High mechanical properties
<b>RTM &amp; Pultrusion</b>	Not suitable due to soluble binder	Suitable and takes the pressure	Absolute efficiency	No voids
<b>Wetting Properties</b>	Takes longer time	Less time due to no secondary binder	High as veil acts more	Lower production cycle time
<b>Handling</b>	High/lower binder content	Easy handling due to stitching	Highly flexible	No loose bonding
				No stiff mat
<b>GSM / Width</b>	Standard GSM only possible	Customized GSM and width	Customized GSM and width	Pultrusion
				Optimization
<b>Surface Finish</b>	Improper final product surface	Rough surface on final product	Smooth surface in final product	High finishing look
<b>Stitching</b>	Unevenness due to stitching pattern	Impression of stitching yarn	No visible stitch marks	Almost no impression found

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