



CTF³ Product Information

CTF³ is Cubic Tech's ultra-lightweight fabric product line of flexible non-woven composite laminates which are reinforced with DSM Dyneema® fibers. CTF³ is offered in non-bias (0°/90°) and bias (0°/90°/+45°/-45°) configurations in a variety of weights (see Cubic Tech Product Line Specifications listed below). Bias plies add dimensional stability and off-axis strength as well as improve the rip-stop performance of material.

"Dyneema® is a super-strong polyethylene fiber that offers maximum strength combined with minimum weight. It is up to 15 times stronger than quality steel and up to 40% stronger than Aramid fibers, both on weight for weight basis. Dyneema® floats on water and is extremely durable and resistant to moisture, UV light and chemicals" (cf. <http://www.dyneema.com/>)

Cubic Tech's CTF³ offers the highest rip-stop and strength performance on a weight and thickness basis.

CTF³ is manufactured in a wide range of colors and can typically match a customer's specification. There is an additional 10% charge for colors and the minimum order size for colored material is 99m.

Order terms are 50% on receipt of order, 50% at time of shipment, delivery time approximately 1-6 weeks from receipt of deposit. Minimum order size for standard CTF³ materials is 9m.

Cubic Tech also produces custom products using other high performance fibers and custom surface coatings, contact us for more information.

CTF³ Product Line Specifications 2010

0°/90° Degree Fiber Orientation Styles

Product	Weight (g/m ²)	Warp Break Strength (lbs/in)	Warp Load @ 1% Strain (lbs/in)	Max Roll Length (m)	9m Fold marks in max roll	Width (in=mm)
CT0.3K.08	11.4	35	12	36	3	54"=1372mm
CT0.6K.08	15.8	60	20	36	3	54"=1372mm
CT1K.08	17.4	68	23	36	3	54"=1372mm
CT2K.08	25.3	105	35	36	3	54"=1372mm
CT3.5K.08	35.4	149	50	36	3	54"=1372mm
CT5K.08	41.5	190	63	27	2	54"=1372mm
CT9K.18	58.7	250	83	27	2	54"=1372mm
CT13K.18	67.7	351	117	27	2	54"=1372mm
CT18K.18	76.2	406	135	27	2	54"=1372mm
CT22K.18	83.5	489	163	18	1	54"=1372mm

"High Bias", Additional ±45° Degree Fiber Orientation Styles

Product	Weight (g/m ²)	Warp Break Strength (lbs/in)	Warp Load @ 1% Strain (lbs/in)	Max Roll Length (m)	9m Fold marks in max roll	Width (in=mm)
CT0.3HBK.08	17.4	37	13	36	3	54"=1372mm
CT0.6HBK.08	27	63	21	36	3	54"=1372mm
CT1HBK.08	29.4	71	24	36	3	54"=1372mm
CT2HBK.18	44.6	110	37	36	3	54"=1372mm
CT5HBK.18	68.5	200	67	27	2	54"=1372mm
CT9HBK.18	78.4	262	87	27	2	54"=1372mm
CT13HBFC.5	110.9	368	123	27	2	54"=1372mm
CT18HBFC.5	117.4	426	142	27	2	54"=1372mm
CT22HBFC.5	126.8	513	171	18	1	54"=1372mm

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