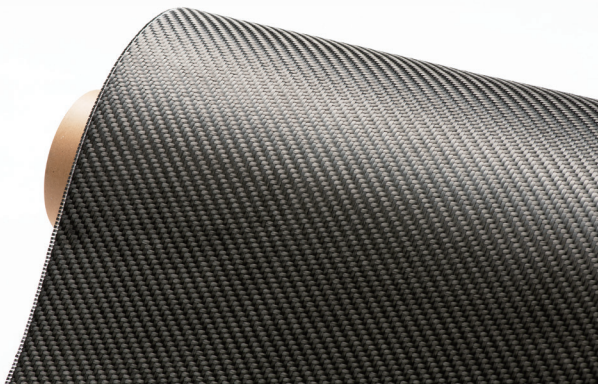
MITSUBISHI CHEMICAL GROUP

MITSUBISHI CHEMICAL CORPORATION
Carbon Fiber & Composites

Carbon Fiber Fabrics

Carbon fiber fabrics have excellent drape properties which make them ideal for 3D shape applications. Due to the outstanding design possibilities they offer, carbon fabrics are also in high demand for applications that require visual appeal. As well as their design potential, carbon fabric materials offer excellent layup efficiency. You can layup a single ply in two directions.



PYROFIL™ Regular Woven Fabric

Product name	Weave structure	Tow		Density (pcs/inch)		Weight (g/m²)	Thickness (mm)	Std. width (mm)	Std. length (m)
		Warp	Weft	Warp	Weft				
TR3110 MS	Plain	TR 30S 3L	TR 30S 3L	12.5	12.5	200	0.23	1,000	100
TR3523 MS	2/2 Twill	TR 30S 3L	TR 30S 3L	12.5	12.5	200	0.23	1,000	100
TR3524 S	2/2 Twill	TR 30S 3L	TR 30S 3L	15.0	15.0	240	0.25	1,270	100
TR6110HM	Plain	TR 50S 6L	TR 50S 6L	9.0	9.0	288	0.32	1,000	100
TR6120HM	Plain	TR 50S 6L	TR 50S 6L	11.0	11.0	350	0.39	1,000	100
TRK101 M	Plain	TR 50S12L	TR 50S12L	6.3	6.3	400	0.46	1,000	50
TRK510 M	2/2 Twill	TR 50S12L	TR 50S12L	10.0	10.0	646	0.57	1,000	50

PYROFIL™ Hybrid Woven Fabric

Product name	Weave structure	Tow		Density (pcs/inch)		Weight (g/m²)	Thickness (mm)	Std. width (mm)	Std. length (m)
		Warp	Weft	Warp	Weft				
TR3160TMS	Plain	TR 30S 3L× Aramid Fiber 1:1alternating	TR 30S 3L× Aramid Fiber 1:1alternating	12.0	12.0	180	0.24	1,000	100

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https://www.m-chemical.co.jp/carbon-fiber/en/product/fabric/

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Carbon Fiber Fabrics

PYROFIL™ Unidirectional Fabric

Product name	Weave structure	Tow Warp	Tow Weft	Density (pcs/inch) Warp	Density (pcs/inch) Weft	Weight (g/m²)	Thickness (mm)	Std. width (mm)	Std. length (m)
TRK979PQRW	Plain	TR 50D 12L	Glass fiber & Polyamide fiber	6.6	8.0	212	0.25	500	50
TRK976PQRW	Plain	TR 50D 12L	Glass fiber & Polyamide fiber	9.9	8.0	317	0.33	500	50

DIALEAD™ Unidirectional Fabric

Product name	Weave structure	Tow Warp	Tow Weft	Density (pcs/inch) Warp	Density (pcs/inch) Weft	Weight (g/m²)	Thickness (mm)	Std. width (mm)	Std. length (m)
F637400	Plain	K63712	Glass fiber & Polyamide fiber	5.0	12.5	400	0.20	330	50

DIALEAD™ Fabric

Product name	Weave structure	Tow Warp	Tow Weft	Density (pcs/inch) Warp	Density (pcs/inch) Weft	Weight (g/m²)	Thickness (mm)	Std. width (mm)	Std. length (m)
USK501 M	2/2 綾	K63712	K63712	6.0	6.0	970	0.8	1000	50

The figures in this table are typical and do not imply any guarantee. The weights of standard and hybrid fabrics include sizing agent.
On the other hand, the weight of unidirectional fabrics excludes the weft and sizing agent.

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