

Reinforcements for Composite Industrial Applications

Selector Chart

HS Carbon Fabrics

Weight g/m ²	Style	Weave	Weight rate		Fibre count		Reinforcement yarn		Standard Width cm	Thickness mm
			Warp / Weft		Wp yarns/cm	Wt picks/cm	Warp	Weft		
Balanced Fabrics – High Strength Fibres										
90	41090	Plain Weave	50 / 50		6.7	6.7	1K HR	1K HR	102	0.09
120	41120	Plain Weave	50 / 50		9	9	1K HR	1K HR	100/125	0.12
120	41121	2 x 2 Twill	50 / 50		9	9	1K HR	1K HR	100	0.12
130	41151	2 x 2 Twill	49 / 51		12	10.2	1K HR	1K HR	100	0.15
160	G1175	Plain Weave	50 / 50		4	4	3K HR	3K HR	100/140	0.16
160	43162	2 x 2 Twill	50 / 50		4	4	3K HR	3K HR	100	0.16
193	43192	Plain Weave	51 / 49		4.9	4.8	3K HR	3K HR	100	0.20
193	43194	2 x 2 Twill	51 / 49		4.9	4.8	3K HR	3K HR	100	0.20
193	48192	Plain Weave	50 / 50		1.2	1.2	12K HR	12K HR	100	0.20
200	43199	Plain Weave	50 / 50		5	5	3K HR	3K HR	125	0.20
200	43200	2 x 2 Twill	50 / 50		5	5	3K HR	3K HR	125	0.20
220	48220	Plain Weave	50 / 50		1.4	1.4	12K HR	12K HR	120	0.23
245	43244	Plain Weave	50 / 50		6	6	3K HR	3K HR	100	0.25
245	43245	2 x 2 Twill	50 / 50		6	6	3K HR	3K HR	100	0.25
240	48241	Plain Weave	50 / 50		1.5	1.5	12K HR	12K HR	120	0.25
285	G1174	4 x 4 Twill	50 / 50		7.2	7.2	3K HR	3K HR	120	0.29
285	43285	2 x 2 Twill	50 / 50		7	7	3K HR	3K HR	100	0.29
285	46281	Plain Weave	50 / 50		3.5	3.5	6K HR	6K HR	120	0.29
285	G0986	2 x 2 Twill	50 / 50		3.5	3.5	6K HR	6K HR	120	0.29
285	48285	Plain Weave	50 / 50		1.8	1.8	12K HR	12K HR	100	0.29
285	48286	2 x 2 Twill	50 / 50		1.8	1.8	12K HR	12K HR	100	0.29
295	G0868	2 x 2 Twill	50 / 50		3.7	3.7	6K HR	6K HR	100	0.30
295	G0888	Plain Weave	50 / 50		3.7	3.7	6K HR	6K HR	100	0.30
385	48385	2 x 2 Twill	50 / 50		2.4	2.4	12K HR	12K HR	130	0.40
400	48400	Plain Weave	50 / 50		2.5	2.5	12K HR	12K HR	120	0.41
600	48600	2 x 2 Twill	50 / 50		3.7	3.7	12K HR	12K HR	130	0.62
630	48630	2 x 2 Twill	50 / 50		3.9	3.9	12K HR	12K HR	104	0.64
650	48650	2 x 2 Twill	50 / 50		4	4	12K HR	12K HR	100	0.66
700	49700	2 x 2 Twill	50 / 50		2.05	2.05	24K HR	24K HR	120	0.70
700	49800	2 x 2 Twill	50 / 50		2.35	2.35	24K HR	24K HR	120	0.80
Uni-Directional Fabrics – High Strength Fibres										
167	43442	UD Plain Weave	84 / 16		7	4	3K HR	1K HR	100	0.17
170	42165	UD Plain Weave	98 / 2		8.1	4	3K HR	EC5 5.5x2	90	0.17
175	43439	UD Plain Weave	84 / 16		7	4	3K HR	RC9 68	100	0.18
200	48200	UD Plain Weave	99/1		2.5	1.6	12K HR	Thermo	0.61	0.20
225	48226	UD Plain Weave	99/1		2.8	1.6	12K HR	Thermo	0,3/0,6	0.22
300	48299	UD Plain Weave	99/1		3.75	1.6	12K HR	Thermo	0.61	0.30
300	48300	UD Plain Weave	99 / 1		3.7	3	12K HR	EC5 11	100	0.32
530	48520	2 x 2 Twill	94 / 6		6.2	4.4	12K HR	EC9 68	100	0.55
600	49600	UD Plain Weave	99/1		3.5	1.6	24K HR	Thermo	0.6	0.61

IM - HM Carbon Fabrics

Weight g/m ²	Style	Weave	Weight rate Warp / Weft	Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
				Wp yarns/cm	Wt picks/cm	Warp	Weft		
Intermediate Modulus Fibres									
200	G1089	2 x 2 Twill	50 / 50	4.5	4.5	T800 6K	T800 6K	100/125	0.21
200	G1169	Plain Weave	50 / 50	4.5	4.5	T800 6K	T800 6K	100	0.21
280	48280	5H Satin	50 / 50	2.9	2.9	T1000 12K	T1000 12K	100/125	0.28
290	G1094	5H Satin	50 / 50	6.5	6.5	T800 6K	T800 6K	100	0.31
300	49301	2 x 2 Twill	45/55	1.8	2.2	M30S 18K	M30S 18K	100	0.32
High Modulus Fibres									
200	46201	Plain Weave	50 / 50	4.5	4.5	M46JB 6K	M46JB 6K	100	0.21
200	46202	2 x 2 Twill	50 / 50	4.5	4.5	M46JB 6K	M46JB 6K	100	0.21
275	G1087	5H Satin	49 / 51	6	6.1	M46J 6K	M46J 6K	100	0.30
280	G1168	5H Satin	49 / 51	6	6.5	M46J 6K	M46J 6K	100	0.30

Hybrid Fabrics

Weight g/m ²	Style	Weave	Weight rate Warp / Weft	Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
				Wp yarns/cm	Wt-Tr picks/cm	Warp	Weft		
Glass Carbon Hybrids									
135	G1088	2 x 2 Twill	16-34 / 16-34	3.2/13.3	3.2/6.7	1KHR/EC9 34	1KHR/EC9 68	120	0.12
170	G0874/G1082	Plain Weave	16-34 / 16-34	1.4/4.5	1.4/4.5	3KHR/ET9 68x2	3KHR/ET9 68x2	120	0.17
170	43596/43796	Plain Weave	16-34 / 16-34	1.4/8.4	1.4/8.4	3KHR/EC9 68	3KHR/EC9 68	120	0.15
178	G0973/G1081	2 x 2 Twill	2x(25/18/7)	2x(2.2/4.7/2.2)		2x(3KHR/PE/ET9 68)		120	0.18
270	43743	3 x 2 Twill	21-29 / 21-29	2.9/11.5	2.2/11.5	3KHR/EC9 68	3KHR/EC9 68	120	0.24
Aramid Carbon Hybrids									
155	73158	Special	91 / 4-5	7.1	1.6	3K HR	Ar HM 420	100	0.18
					3.2		Ar HM 215		
157	73156	Plain Weave	45-14 / 19-22	3.4	1.4	3K HR	3K HR	120	0.18
				1.6	2.8	Ar HM 1270	Ar HM 1270		
170	G0882	2 x 1 Twill	37-13 / 22-28	3.3	1.8	3K HR	3K HR	80	0.19
				1.8	3.3	Ar HM 1270	Ar HM 1270		
210	73210	2 x 2 Twill	22-28 / 22-28	2.2	2.2	3K HR	3K HR	122	0.24
				4.4	4.4	Ar HM 1270	Ar HM 1270		
245	73230	3 x 1 Twill	60 / 40	7.1	7	3K HR	Ar HM 1270	100	0.28

Aramid Fabrics

Weight g/m ²	Style	Weave	Weight rate Warp / Weft	Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
				Wp yarns/cm	Wt picks/cm	Warp	Weft		
Aramid Balanced Fabrics									
60	20796	Plain Weave	50 / 50	13.5	13.5	HM 215	HM 215	120	0.07
175	20967	Plain Weave	51 / 49	6.7	6.5	HM 1270	HM 1270	120	0.20
175	20914	4H Satin	51 / 49	6.7	6.5	HM 1270	HM 1270	120	0.20
175	20916	Plain Weave	56 / 44	6.7	7.5	HM 1270	Polyester	120	0.21
320	21071	5H Satin	51 / 49	6.3	6.2	HM 2400	HM 2400	100	0.40

Peel Ply

Weight g/m ²	Style	Weave	Weight rate		Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
			Warp / Weft	Wp yarns/cm	Wt picks/cm	Warp	Weft			
Polyamid Fabrics										
83	T0470	in Weave - Trac	58 / 42	19	14	PA66 235	PA66 235	180	0.06	
105	T0089	Plain Weave	52 / 48	22	20	PA66 235	PA66 235	147	0.08	
105	T0098	in Weave - Trac	54 / 46	22	18.5	PA66 235	PA66 235	147	0.08	
105	T0468	2 x 2 Twill	54 / 46	22	18.5	PA66 235	PA66 235	147	0.08	

Structure

Weight g/m ²	Style	Weave	Weight rate		Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
			Warp / Weft	Wp yarns/cm	Wt picks/cm	Warp	Weft			
290	43290	Special	50 / 50	7.2	7.2	3K HR	3K HR	120	0.29	
235	73250	Special	60 / 40	7.1	7	3K HR	Ar HM 1270	120	0.28	
260	SE013	ALUMINIZED	47/53	17.7	19.9	EC9 68	EC9 68	127	0.20	
235	SE005	ALUMINIZED	47/53	17.7	16.2	EC9 68	EC9 68	127	0.18	
225	SE001	ALUMINIZED	47/53	17.7	14.7	EC9 68	EC9 68	127	0.17	
225	SE010	ALUMINIZED	47/53	17.7	14.7	EC9 68	EC9 68	127	0.17	
260	SE007	ALUMINIZED	47/53	17.7	17.4	EC9 68	EC9 68	127	0.20	

E-Glass Fabrics

Weight g/m ²	Style	Weave	Weight rate		Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
			Warp / Weft	Wp yarns/cm	Wt-Tr picks/cm	Warp	Weft			
E-Glass Balanced Fabrics										
25	106	Plain Weave	50 / 50	22	22	EC5 5.5	EC5 5.5	96.5	0.02	
48	1080	Plain Weave	56 / 44	24	19	EC5 11	EC5 11	110	0.04	
70	2112	Plain Weave	52 / 48	16	15	EC7 22	EC7 22	110	0.05	
86	235	Plain Weave	49 / 51	12	12.5	EC9 34	EC9 34	105	0.06	
100	20535 / 782	Plain Weave	55 / 45	16	13	EC9 34	EC9 34	142	0.07	
105	120	4H Satin	51 / 49	24	23	EC5 11x2	EC5 11x2	120	0.08	
106	2116	Plain Weave	51 / 49	24	23	EC7 22	EC7 22	110	0.08	
122	2165	Plain Weave	43 / 57	24	20	EC7 22	EC9 34	126	0.09	
125	1510	Plain Weave	65 / 35	11.5	6.3	EC9 34x2	EC9 68	70	0.09	
125	1522	Plain Weave	53 / 47	9.6	8.5	EC9 34x2	EC9 34x2	65/80	0.09	
160	1717	Plain Weave	52 / 48	11.8	10.7	EC9 68	EC9 68	82/164	0.12	
162	7630	Plain Weave	51 / 49	12	11.5	EC9 68	EC9 68	100/130	0.12	
162	1039	2 x 2 Twill	51 / 49	11.8	11.5	EC9 68	EC9 68	100	0.12	
202	1035	2 x 2 Twill	50 / 50	14	14	EC9 68	EC9 68	120	0.15	
202	7628	Plain Weave	59 / 41	17	11.8	EC9 68	EC9 68	127	0.15	
202	1266	Plain Weave	60 / 40	8.9	6	EC9 136	EC9 136	80	0.15	
204	1184	Plain Weave	51 / 49	7.4	7.2	EC9 68X2	EC9 136	80	0.15	
206	471	Plain Weave	51 / 49	7.4	7.2	EC9 68x2	EC9 68x2	65/80	0.15	
300	1102	2 x 2 Twill	50 / 50	7	7	(EC9 68)x3	(EC9 68)x3	80/124	0.23	
300	1103	Plain Weave	50 / 50	7	7	(EC9 68)x3	(EC9 68)x3	80/124	0.23	
300	7581	8H Satin	51 / 49	22	21	EC9 68	EC9 68	127	0.23	
300	7781	8H Satin	53 / 47	23.6	21	EC6 66	EC6 66	127	0.23	
390	1265	Plain Weave	53 / 47	5.9	6.6	(EC9 68)x5	(EC9 136)x2	125	0.30	
390	1113	2 x 2 Twill	53 / 47	5.9	6.6	(EC9 68)x5	(EC9 136)x2	100/125	0.30	
600	1037*	8H Satin	50 / 50	10	10	EC13 300	EC13 300	125	0.46	

* TEXTILO PLASTIC SIZING

E-Glass Fabrics

Weight g/m ²	Style	Weave	Weight rate Warp / Weft	Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
				Wp yarns/cm	Wt-Tr picks/cm	Warp	Weft		
E-Glass Uni-Directional Fabrics									
190	1022	Satin 4 / 4H Sa	80 / 20	22	10.5	EC9 68	EC9 34	100	0.14
290	1313	Taffetas / UD PI	93 / 7	5.9	7	(EC9 68)x5	EC7 22	100	0.20
290	1543	Satin 4 / UD 4H S	90 / 10	19	11.8	EC9 68x2	EC7 22	100	0.22
315	1031	Satin 4 / UD 4H S	87 / 13	19.5	11	EC9 136	EC9 34	100	0.24
365	1055	Satin 5 / UD 5H S	83 / 13	45	9	EC9 68	EC9 68	120	0.28
430	1017	Taffetas / UD PI	90 / 10	5.7	6.3	EC9 136X5	EC9 68	120	0.33
Glass Texalium* Fabrics									
202	1035	rgé 2x2 / Twill 2	50 / 50	14	14	EC9 68	EC9 68	120	0.15
300	1102	rgé 2x2 / Twill 2	50 / 50	7	7	(EC9 68)x3	(EC9 68)x3	80	0.23

* TEXALIUM : ALUMINIZED COATING

Specialities

Weight g/m ²	Style	Weave	Weight rate Warp / Weft	Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
				Wp yarns/cm	Wt-Tr picks/cm	Warp	Weft		
E-Glass Roving Fabrics									
270	20458	Taffetas / Plain	50 / 50	4	4	RO 320	RO 320	130	0.20
R-Glass Fabric									
305	20982	Satin 8 / 8H Sati	50 / 50	22	22	RC9 34x2	RC9 34x2	120	0.23
Quartz Fabrics									
112	503	Taffetas / Plain	55 / 45	19.2	15.8	SI C9 33	SI C9 33	96.5	0.09
145	610	se gaze / Moke	52 / 48	11.2	10.5	SI C9 67	SI C9 67	100	0.11
265	593	Satin 5 / 5H Sati	50 / 50	19.5	19.5	SI C9 67	SI C9 67	110	0.20
292	581	Satin 8 / 8H Sati	50 / 50	21	21	SI C9 67	SI C9 67	96.5	0.22
Tooling Fabrics									
100	20991	Taffetas / Plain	50 / 50	4.1	4.1	Ver 125	Ver 125	100	0.08
205	20741	Taffetas / Plain	59 / 41	6	4.2	Ver 200	Ver 200	100	0.16
280	20466	Taffetas / Plain	46 / 54	4.1	4.4	RO 320	Ver 330	130	0.22
500	20320	Taffetas / Plain	50 / 50	3.8	3.8	Ver 660	Ver 660	100	0.40
580	20995	rgé 4x4 / Twill 4	61 / 39	4	3.9	Ver 660	Ver 430	100	0.45
900	20974	Satin 6 / 6H Sati	51 / 49	6.8	6.6	Ver 660	Ver 660	100	0.70

Multiaxial Fabrics

Weight g/m ²	Style	Fibre orientation	Ply areal weight g/m ²	Fil de renfort Reinforcement yarn	Couture Stitching g/m ²	Standard Width cm	Thickness mm
300	MBB00 C 1270 32	+45/-45	160/160	HR 12K	6	127	
400	MBB00 C 1270 41	+45/-45	190 / 190	HR 12K	6	127	
600	MBB00 C 1270 60	+45/-45	297 / 297	HR 12K	6	127	
Glass Fibres							
290	MBB00 E 1250 29	+45/-45	145/145	RO99 320 TEX	6	125	
450	MBB00 E 1250 45	+45/-45	225/225	RO99 320 TEX	6	125	
600	MBB00 E 1250 60	+45/-45	300/300	ROVING 1200TEX	6	125	
1000	MBB00 E 1250 100	+45/-45	500/500	ROVING 1200TEX	6	125	
1175	MBB00 E 1250 117	+45/-45	575/300/300	ROVING 1200TEX	10	125	

Injectex Fabrics

Weight g/m ²	Style	Weave	Weight rate		Fiber count		Reinforcement yarn		Standard Width cm	Thickness mm
			Warp / Weft	Wp yarns/cm	Wt picks/cm	Warp	Weft			
E-Glass Fabrics										
295	21186 1200	Argé 2x2 / Twill 2	50 / 50	22.2	5.5	EC9	EC9	120	0.22	
315	EB315 E 1200	2x2 / Twill 2x2 pc	50 / 50	22.2	5.5	EC9	EC9	120		
400	21180 1200	3X / Formable	50 / 50	14.8	14.8	EC11	EC9 - EC11	100	0.31	
420	EF420 E 1000	Formable powd	50 / 50	14.8	14.8	EC11	EC9 - EC11	100		
1000	21156 1200	3X / Formable	51 / 49	16.3	15.5	EC13	RO 320	120	0.77	
1030	E1030 E 1200	Formable powd	51 / 49	16.3	15.5	EC13	RO 320	120		
Carbon Fabrics										
193	GB196 D 1070	Taffetas / Plain	50 / 50	4.7	4.7	3H HR	3K HR	107	0.20	
200	GB200 D 1070	Taffetas / Plain powc	50 / 50	4.7	4.7	3H HR	3K HR	107		
375	GB375 D 1040	Satin 5 / 5H Sati	50 / 50	4.7	4.7	6K HR	6K HR	104	0.35	
390	GB390 D 1040	Satin 5 / 5H Satin pov	50 / 50	4.7	4.7	6K HR	6K HR	104		
600	GF600 N 1000	3X / Formable	50 / 50	7.4	7.4	6K HR	6K HR	100	0.58	
630	GF630 N 1000	Formable powd	50 / 50	7.4	7.4	6K HR	6K HR	100		

All information is believed to be accurate but is given without acceptance of liability.

Users should make their own assessment of the suitability for the purposes required.

All sales are made subject to our standard terms of sale which include limitations on liability and other important terms.