



Performance Materials

RNG Performance Materials provides a wide range of Woven Fibreglass, Aramid, Carbon Fibre Fabrics, PTFE Coated Fabrics and Belts, Silicone Pressure Sensitive Adhesive Tapes and Rubber Coated Fabrics

Fibreglass Fabrics for Composites

Technical Data

Loomstate Specifications

Product Code	Yarn Type	Nominal Values				
		Weight	Thickness	Weave Type	Ends/cm	Picks/cm
	Fibre Type/ Tex/Plies	(gsm)	(mm)			
Y0001	Glass EC5/11/2	96	0.08	Plain	25.20	17.30
Y0094	Glass EC7/22/3	182	0.15	Plain	14.20	12.60
Y0100	Warp: Glass EC5/11/2 Weft: Glass EC7/22/2	138	0.13	Plain	25.60	17.70
Y0132	Glass EC6/68	305	0.26	8 End Satin	22.4	21.2
Y0165	Glass EC9/136/2	406	0.36	Plain	7.5	7.1
Y0183	Glass EC9/68/2	210	0.20	Plain	7.9	7.1
Y0184	Glass EC9/68/2	308	0.25	Plain	11.8	10.2
Y0185	Glass EC9/68/2	331	0.25	2/2 Twill	11.8	11.8
Y0212	Glass EC9/136/3	546	0.54	Plain	6.7	6.3
Y0227	Glass EC7/22/3	297	0.20	8 End Satin	22.4	21.3
Y0244	Glass EC9/68/2	291	0.24	Plain	9.8	11
Y0314	Glass EC5/11/2	79	0.08	Plain	17.7	17.3

For further details contact RNG Performance Materials at: Sales@RNG.Asia or visit <http://www.RNG.Asia>

Product Code	Yarn Type	Nominal Values				
		Weight	Thickness	Weave Type	Ends/cm	Picks/cm
	Fibre Type/ Tex/Pliers	(gsm)	(mm)			
Y0336	Glass EC5/11/2	105	0.08	Plain	23.6	22.8
Y0346	Glass EC7/22/3	182	0.15	2/2 Twill	14.2	12.6
Y0359	Warp: Glass EC9/34/2 Weft: Glass EC9/68/2	242	0.23	Plain	14.4	10.2
Y0360	Glass EC9/34/2	188	0.15	Plain	14.2	12.6
Y0366	Glass EC9/68/2	177	0.18	Plain	5.9	6.7
Y0383	Glass EC9/68/2	308	0.23	Plain	11.8	10.2
Y0403	Glass EC9/34/2	306	0.23	8 End Satin	22.4	21.3
Y0442	Glass EC9/68/2	210	0.23	Plain	7.9	7.1
Y0449	Glass EC9/136/2	375	0.33	Plain	6.7	6.7
Y0481	Glass EC9/34	127	0.13	Plain	18.1	18.1
Y0599	Warp: Glass EC5/11/2 Weft: Glass EC5/11x2/2	132	0.13	Plain	25.2	16.5
Y0730	Glass EC9/136/2	849	0.65	8 End Satin	16.5	13.8
Y0786	Glass EC9/68	204	0.18	Plain	17.3	12.6
Y0807	Glass EC5/11/2	105	0.09	4 End Satin	23.6	23.1
Y0822	Glass EC9/68/2	441	0.38	4 End Satin	18.9	12.6



Performance Materials

Fabric Finish Specifications

<i>Finish Code</i>	<i>Finish Type</i>	Composite Resin Compatibility/Finish Properties
000	<i>Loomstate</i>	-
165	<i>Heat Cleaned</i>	Silicone / No organic constituent
196	<i>Amino Silane</i>	Epoxy, Phenolic, Polyimide, Acrylic
1967	<i>Amino Silane (Soft)</i>	Epoxy, Phenolic, Polyimide, Acrylic
205	<i>Methacrylate Chromic Chloride</i>	Polyester, Epoxy, Vinylester
208	<i>Vinyl Silane</i>	Polyester
223	<i>Methacrylate Silane</i>	Polyester, Vinylester / Stiff Handle
274	<i>Caramelised</i>	Improved Resin Adhesion
287	<i>Epoxy Silane</i>	Epoxy, Phenolic, Melamine / Soft Handle



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Aramid Fabrics for Composites

Technical Data

Loomstate Specifications

Product Code	Yarn Type	Nominal Values				
		Weight	Thickness	Weave Type	Ends/cm	Picks/cm
	Fibre Type/ Tex	(gsm)	(mm)			
D0158	Para Aramid/42	164	0.20	8 End Satin	18.90	18.90
D0172	Para Aramid/22	60	0.11	Plain	13.40	13.40
D0203	Para Aramid/127	175	0.24	Plain	6.70	6.70
D0208	Para Aramid/158	218	0.31	Plain	6.7	6.7
D0219	Para Aramid/158	511	0.68	8/8 Matt	15.7	15.7
D0267	Para Aramid/127	175	0.22	4 End Satin	6.7	6.7
D0684	Para Aramid/158	218	0.31	4 End Satin	6.7	6.7
D0292	Para Aramid/42	170	0.23	8 End Satin	19.7	19.7
D0302	Para Aramid/158	358	0.52	4/4 Matt	11	11
D0399	Para Aramid/240	460	0.60	4/4 Matt	10.2	8.7
D0418	Para Aramid/158	166	0.27	Plain	5.1	5.1

<i>Product Code</i>	<i>Yarn Type</i>	<i>Nominal Values</i>				
		<i>Weight</i>	<i>Thickness</i>	<i>Weave Type</i>	<i>Ends/cm</i>	<i>Picks/cm</i>
	<i>Fibre Type/ Tex</i>	<i>(gsm)</i>	<i>(mm)</i>			
D0244 (Unidirectional Fabric)	Para Aramid/127	227	0.3	4 End Satin	15	7.1
D0397 (Unidirectional Fabric)	Para Aramid/158	373	0.5	8/1 Matt	20.5	2.4

Fabric Finish Specifications

<i>Finish Code</i>	<i>Finish Type</i>	Composite Resin Compatibility/Finish Properties
000	<i>Loomstate</i>	-
001	<i>Scoured & Dried</i>	Improved Resin Adhesion
286	K- Finish	Polyester, Vinylester



Performance Materials

Carbon fibre fabrics for Composites

Technical Data

Loomstate Specifications

Product Code	Yarn Type	Nominal Values				
		Weight	Thickness	Weave Type	Ends/cm	Picks/cm
	Fibre Type/ Tow	(gsm)	(mm)			
A0186	Toray T300/ 3K	199	0.300	Plain	4.92	4.92
A0189	Toray T300/ 3K	199	0.300	2/2 Twill	4.92	4.92
A0283	Grafil 34-700/12K	646	0.980	2/2 Twill	4.00	4.00
A0286	Tairyfil TC-35 /12K	646	0.980	2/2 Twill	4.00	4.00
A0287	Toray T700S/ 6K	380	0.600	Plain	4.75	4.75



Performance Materials

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