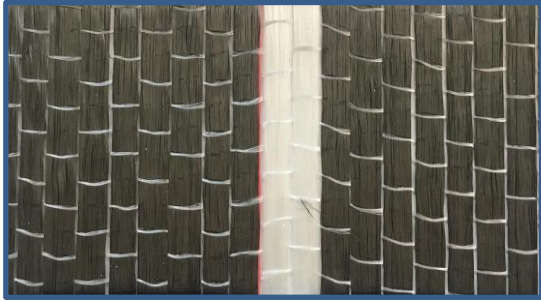


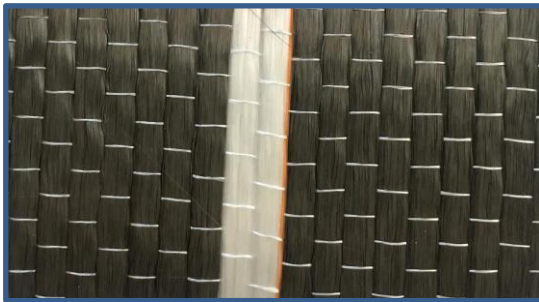
## CARBON FIBER FOR CONSTRUCTION



**UT70-20G**



**UT70-30G**



**UT70-40G**



**UT70-60G**



**BT70-20**



**BT70-30**



**TL510**

## COMPOSITE PROPERTIES WITH AUR80S

Product No		UT70-20G	UT70-30G	UT70-40G	UT70-60G	BT70-20	BT70-30
<b>Fiber weight</b>	(g/m <sup>2</sup> )	200	300	400	600	Length 100 Width 100	Length 150 Width 150
<b>Sheet thickness</b>	(mm)	0.111	0.167	0.222	0.333	Length 0.056 Width 0.056	Length 0.083 Width 0.083
<b>Density</b>	(g/cm <sup>3</sup> )	1.80	1.80	1.80	1.80	1.80	1.80
<b>Tensile strength</b>	(kN/mm <sup>2</sup> )	3.4	3.4	3.4	3.4	Length 2.9 Width 2.9	Length 2.9 Width 2.9
	(kgf/cm <sup>2</sup> )	35,000	35,000	35,000	35,000	Length 30,000 Width 30,000	Length 30,000 Width 30,000
<b>Construction</b>	(kN/mm <sup>2</sup> )	230	230	230	230	230	230
	(kgf/cm <sup>2</sup> )	2.34 x 106	2.34 x 106	2.34 x 106	2.34 x 106	2.34 x 106	2.34 x 106
<b>Civil engineering</b>	(kN/mm <sup>2</sup> )	245	245	245	245	245	245
	(kgf/cm <sup>2</sup> )	2.5 x 106	2.5 x 106	2.5 x 106	2.5 x 106	2.5 x 106	2.5 x 106
<b>Width</b>	(cm)	25,33,50	25,33,50	25,33,50	50	100	100

Product No		TL510
<b>Fiber weight</b>	(g/m)	80
<b>Sheet thickness</b>	(mm)	1.00
<b>Density</b>	(g/cm <sup>3</sup> )	1.6
<b>Tensile strength</b>	(kN/mm <sup>2</sup> )	2.4
<b>Construction *2</b>	(kN/mm <sup>2</sup> )	167
<b>Width</b>	(mm)	50

## STANDARD USAGE OF AU RESIN SERIES

Type of Resin	Fiber Areal Weight (g/m <sup>2</sup> )	Standard usage (kg/m <sup>2</sup> )		
		Undercoat	Overcoat	Total
Primer	-----	-----		0.20
Putty	-----	-----		1.00
Impregnation Resin	200	0.30 ~ 0.40	0.30	0.60
	300	0.40 ~ 0.50	0.40	0.80
	400	0.50 ~ 0.60	0.50	1.00
	600	0.60	0.60	1.20

## SPECIFICATION OF AU RESIN SERIES

Product Name	Normal Type AUR80S	Normal Type AUP40S	Normal Type AUF60S	Test Method
Usable time	40 minutes	40 minutes	40 minutes	
Temperature Range	15 <sup>o</sup> C ~ 35 <sup>o</sup> C	15 <sup>o</sup> C ~ 35 <sup>o</sup> C	15 <sup>o</sup> C ~ 35 <sup>o</sup> C	
Density	1.17 ± 0.1	1.17 ± 0.1	1.17 ± 0.1	JIS K 7112
Tensile Strength	30 N/mm	-----	-----	JIS K 7161
Flexural Strength	40 N/mm	-----	-----	JIS K 7171
Compression Strength	70 N/mm	-----	-----	JIS K 7181
Compression Modulus	1500 N/mm	-----	-----	JIS K 7181
Temperature Range	15 N/mm	-----	-----	JIS K 6850
Mix Ratio	2 : 1	2 : 1	2 : 1	
Package size	30 kg	30 kg	30 kg	