



**VALMIERA  
GLASS**

## E-GLASS FIBRE TECHNICAL FABRIC

### TG-200P-C

### TG-200PG-C

### TG-200TS-C

TECHNICAL DATA SHEET

T81 /11FEBR2021

Characteristic		Metric System		US System		Test method		
		Unit	Value	Unit	Value			
<b>INTRODUCTION</b>		TG is E-glass fibre technical fabric (glass with maximum alkali content of < 1.0 %) with thermal resistance of 600 °C   1112 °F.						
		<b>Application:</b> TG fabrics are used as heat and acoustic insulating material in automotive, machine building and building industries, as well as plastic reinforcement.						
<b>PHYSICAL PROPERTIES</b>		Weave		Plain				
		Selvage		P - Feathered, feather length: 5 - 8mm   0.2 - 0.3in. PG- Feathered with glass edge yarn 5 - 8mm   0.2 - 0.3in TS - Tucked				
		Sizing		Starch-oil based				
		Yarn	Warp	EC9-68z20 sized		ECG 75 1/0 0.5Z sized		EN 12654
			Weft	EC9-68z20 or z28		ECG 75 1/0 0.5Z or 0.7Z		
		Thickness*		mm	0.21 ± 0.02	in	0.008 ± 0.001	ISO 4603
		Mass per unit area		g/m <sup>2</sup>	200 ± 8	oz/yd <sup>2</sup>	5.9 ± 0.2	EN 12127
		Thread count	Warp	per cm	17.0 +1.0/- 0	per in	43.2 +2.5/-0	EN 1049-2
			Weft		12.0 ± 0.5		30.5 ± 1.3	
		Tensile strength, min	Warp	N/5cm	3000	lbf/in	343	ISO 13934.1
Weft	2000		229					
L.O.I.		%	1.0 - 2.0	%	1.0 - 2.0	ISO 1887		
<b>DIMENSIONS AND PACKAGING</b>		Width, max		cm	200.0 +2.0/-0	in	79.0 +0.8/-0	EN 1773
		Roll length, max		m	2000	yd	2180	
		Packing		Fabric wound on the core with inside diameter 152mm or 76mm   6in or 3in. Each roll wrapped in the plastic film. Rolls fastened on the wooden pallets.				
		Transporting		Covered means of transport.				
		Storage		In clean and dry storage places. Goods have to be stored in the producer's original packaging as received. Do not stack.				
<b>ADDITIONAL INFORMATION</b>		* Measuring-foot area - 25 cm <sup>2</sup>   3.8 in <sup>2</sup> , pressure - 20 g/cm <sup>2</sup>   4.6 oz/in <sup>2</sup> .						