



E-GLASS FIBRE TECHNICAL FABRIC

TG-200P-C

TG-200PG-C

TG-200TS-C

TECHNICAL DATA SHEET

T81 /11FEBR2021

INTRODUCTION						
<p>TG is E-glass fibre technical fabric (glass with maximum alkali content of < 1.0 %) with thermal resistance of 600 °C 1112 °F.</p> <p>Application: TG fabrics are used as heat and acoustic insulating material in automotive, machine building and building industries, as well as plastic reinforcement.</p>						
Characteristic	Metric System		US System		Test method	
	Unit	Value	Unit	Value		
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 ²	200 ± 8	oz/yd ²	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	
Width, max	cm	200.0 +2.0/-0	in	79.0 +0.8/-0	EN 1773	
Roll length, max	m	2000	yd	2180		
DIMENSIONS AND PACKAGING						
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.					
ADDITIONAL INFORMATION						
* Measuring-foot area - 25 cm ² 3.8 in ² , pressure - 20 g/cm ² 4.6 oz/in ² .						