

A579, A580, A581 & A582 TECHNICAL SPECIFICATIONS

MATERIAL			
BASE FABRIC WEIGHT	200 GSM		
FIBER / DENSITY	3k CARBON		
WEAVE STYLE	Custom		
TEXTURE	Textured Surface		
FINISH	Semi-Matte Finish		
WEIGHT	12.63 oz/yd ²	428 GSM	
THICKNESS	0.019 in	0.470 mm	ASTM D1777
ABRASION RESISTANCE			
TABER CS-10	15000 Cycles		ASTM D3884
BREAKING STRENGTH			
WARP	468 lb/in	53 Nm	ASTM D751-A
FILL	415 lb/in	47 Nm	ASTM D751-A
45°	315 lb/in	36 Nm	ASTM D751-A
TENSILE STRENGTH			
WARP	461 lbf	2049 N	ASTM D751-B
FILL	450 lbf	2004 N	ASTM D751-B
45°	118 lbf	525 N	ASTM D751-B
TENSILE STRENGTH			
WARP	24580 PSI	169473 kPa	ASTM D751-B
FILL	24189 PSI	166778 kPa	ASTM D751-B
45°	6569 PSI	45293 kPa	ASTM D751-B
FLEXURAL PROPERTIES			
TOP	6000 mg-cm		BIS IS-6490-1971
BOTTOM	6000 mg-cm		BIS IS-6490-1971
ELONGATION			
WARP	7 %		ASTM D751-B
FILL	6 %		ASTM D751-B
45°	57 %		ASTM D751-B