

A447 & A491

TECHNICAL SPECIFICATIONS

MATERIAL			
BASE FABRIC WEIGHT	267 GSM		
FIBER / DENSITY	3k CARBON		
WEAVE STYLE	2 X 2 Twill		
TEXTURE	Textured Surface		
FINISH	Matte Finish		
WEIGHT	15.20 oz/yd ²	515 GSM	
THICKNESS	0.022 in	0.559 mm	ASTM D1777
ABRASION RESISTANCE			
TABER CS-10	23000 Cycles		ASTM D3884
BREAKING STRENGTH			
WARP	631 lb/in	71 Nm	ASTM D751-A
FILL	559 lb/in	68 Nm	ASTM D751-A
45°	442 lb/in	50 Nm	ASTM D751-A
TENSILE STRENGTH			
WARP	650 lbf	2892 N	ASTM D751-B
FILL	672 lbf	2989 N	ASTM D751-B
45°	245 lbf	1092 N	ASTM D751-B
TENSILE STRENGTH			
WARP	29228 PSI	201523 kPa	ASTM D751-B
FILL	30287 PSI	208820 kPa	ASTM D751-B
45°	11041 PSI	76218 kPa	ASTM D751-B
FLEXURAL PROPERTIES			
TOP	10310 mg-cm		BIS IS-6490-1971
BOTTOM	7108 mg-cm		BIS IS-6490-1971
ELONGATION			
WARP	7 %		ASTM D751-B
FILL	7 %		ASTM D751-B
45°	31 %		ASTM D751-B