Flex-320 - 1200 Denier 18x18 Weave
Technical Specifications

AT RENEGADE PLASTICS, WE'RE REWRITING THE RULES OF WHAT TEXTILES CAN DO.

Our polypropylene-based textiles outperform PVC-coated materials, offering a lighter weight and enhanced UV stability with no compromises on safety or sustainability. Engineered to meet the demands of hundreds of applications, Renegade is designed to support a more circular future, free of phthalates, intentionally added PFAS, lead, or cadmium. Renegade textiles are also able to be recycled through appropriate facilities at end-of-life.

Measure	Test Method	Flex-320
Yarn Denier		1200
Weave (Thread/in^2)		18x18
Thickness (mil)		21.9
Weight (oz/yd^2)	ASTM D751 Section 10	9.4
Grab Breaking Strength (Warp / Weft, lbf)	ASTM D751 Section 12-15	390 / 298
Elongation at Break (Warp / Weft, lbf)	ASTM D751 Section 12-17	29 / 27
Strip Breaking Strength (Warp / Weft, lbf)	ASTM D751 Section 16	264 / 192
Tongue Tear Strength (Warp / Weft, lbf)	ASTM D751 Section 33-36	44 / 26
Trapezoid Tear Strength (Warp / Weft, lbf)	ASTM D751 Section 37-40	58 / 44
Ball Burst Strength (lbf)	ASTM D751 Section 19-22	582
Puncture Resistance (lbf)	ASTM D751 Section 27-30	109
Abrasion cycles to yarn exposure	ASTM D3389 H18 Vitrified Wheel 250 g load	Pending
Specifications are for SKU: FLX0320-1200-18x18-NS-ST-50/50-MT		

Please note: This data is accurate to the best of our knowledge and should not be considered a final specification without consulting Renegade Plastics Corporation.

WE ENCOURAGE YOU TO CONNECT WITH OUR TEAM IF YOU HAVE ANY QUESTIONS.

While it's ultimately up to you to ensure the product fits your applications, we're here to help you make that decision with confidence.

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