



**1540 UBOAT  
Preliminary Specifications**

	<b>English</b>	<b>Metric</b>
Base Fabric Type	Nylon - woven	Nylon - woven
Base Fabric Weight (nominal)	15.2 oz/yd <sup>2</sup>	515 g/m <sup>2</sup>
Coating Type	Polyurethane	Polyurethane
Finished Coated Weight ASTM D751	40.0 oz/yd <sup>2</sup> ± 2 oz/yd <sup>2</sup>	1356 g/m <sup>2</sup> ± 70 g/m <sup>2</sup>
Thickness ASTM D751	50 mil ± 2 mil	1.3 mm ± 0.05 mm
Grab Tensile ASTM D751	1300/1200 lb <sub>f</sub>	5785/5340 N
Strip Tensile ASTM D751 Procedure B	750/700 lb <sub>f</sub> /in	657/613 daN/5 cm
Tongue Tear ASTM D751	8"x10" sample @12"/min 65/75 lb <sub>f</sub>	200 mm x 250 mm sample @ 5 mm/s 289/334 N
Adhesion ASTM D751 Dielectric or Hot Air weld	40 lb <sub>f</sub> /in minimum	35 daN/5 cm minimum
Hydrostatic Resistance ASTM D751 Procedure A	1000 psi	6.9 MPa
Bursting Strength ASTM D751 (ball tip)	1800 lb <sub>f</sub>	8010 N
Puncture Resistance ASTM D751 (screwdriver tip)	200 lb <sub>f</sub>	890 N
Low Temperature ASTM D2136	1/8 in mandrel, 4 hr Pass @ -25° F	3 mm mandrel, 4 hr Pass @ -13° C
Abrasion Resistance ASTM D3389 <i>H-18 Wheel, 1000 g load</i>	12,000 cycles minimum before fabric exposure	

Unless stated otherwise, values presented above represent the minimum expected measurements at the time of manufacture. We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply.

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*Innovative Customer Solutions through Fiber and Polymer Technology*

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