



1940 PTFE
Urethane Coated Fabric to Meet MIL-T-52983 Rev. F
Specifications

	Standard	Metric
Base Fabric Type	Nylon	Nylon
Base Fabric Weight (nominal)	13.0 oz/yd ²	441 g/m ²
Coating Type	Polyether based polyurethane	Polyether based polyurethane
Finished Coated Weight ASTM D751	40 oz/yd ² ± 3 oz/yd ²	1356 g/m ² ± 102 g/m ²
Thickness ASTM D751	35 mil	0.89 mm
Tongue Tear ASTM D751	8 in x 10 in sample @ 12 in/min 40/40 lb _f	20.3 cm x 25.4 cm sample @ 30.5 cm/min 178/178 N
Strip Tensile ASTM D751 Procedure B	700/600 lb _f /in	613/526 daN/5 cm
Adhesion ASTM D751 Dielectric Weld	30 lb _f /in	26 daN/5 cm
Hydrostatic Resistance ASTM D751 Procedure A	600 psi	4.14 MPa
Bursting Strength ASTM D751 (Ball Tip)	1200 lb _f	5340 N
Low Temperature ASTM D2136	1/8 in mandrol, 4 hr Pass @ -50° F	3.2mm mandrel, 4 hr Pass @ -46° C
Dead Load MIL-T-52983E (modified) Para 4.5.2.19	2 in seam, 4 hr, 1 in strip 200 lb _f @ Room Temp. 100 lb _f @ 160° F	5 cm seam, 4 hr, 2.5 cm strip 890 N @ Room Temp. 445 N @ 71° C
Permeability ASTM D814 (Fuel B)	0.12 fl oz/ft ² /24 hr	38.2 mL/m ² /24 hr

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.