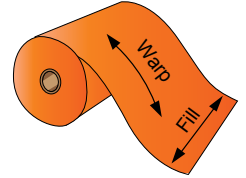


## Water Force Technical Fabric Specifications



The technical specifications in the chart below are minimum requirements for all specified properties. Based on the manufacturers assessment, the materials used have a potential of exceeding the results noted below.



PVC Fabric	For models WL-06, WL-14, WL-20 & WL-26		For models WL-50 and WL-60			
Properties	Minimum Specifications		**Certified	Minimum Specifications		**Certified
Weight	610 g/m <sup>2</sup> - 18 oz yd <sup>2</sup>		Yes	750 g/m <sup>2</sup> - 22 oz yd <sup>2</sup>		Yes
Base Fabric	Woven polyester scrim		-	Woven polyester scrim		-
Tension resistance *	Warp 40 kg/cm 245 lbs/in	Fill*** 35 kg/cm 218 lbs/in	Yes	Warp 55 kg/cm 310 lbs/in	Fill*** 50 kg/cm 275 lbs/in	Yes
Tear resistance	Warp 32 kg 72 lbs	Fill*** 22 kg 49 lbs	Yes	Warp 45 kg 100 lbs	Fill*** 35 kg 80 lbs	Yes
Adhesion	Warp 1.5 kg/cm 8 lbs/in	Fill*** 1.5 kg/cm 8 lbs/in	Yes	Warp 1.5 kg/cm 8 lbs/in	Fill*** 1.5 kg/cm 8 lbs/in	Yes
Heat resistance	-30° +70°C / -22° +160°C		Yes	-30° +70°C / -22° +160°C		Yes
UV resistance	More than 80% strength retention after 2000 hours of exposure		No	More than 80% strength retention after 2000 hours of exposure		No
Flame resistance	Not applicable		No	Not applicable		No

Polyethylene woven fabric	For models WL-06, 14, 20, 26		**Certified	For models WL-39, 50, 60		**Certified
Properties	Minimum Specifications			Minimum Specifications		
Weight	200 g/m <sup>2</sup> - 6 oz yd <sup>2</sup>		Yes	300 g/m <sup>2</sup> - 9 oz		Yes
Base Fabric	100% polyethylene			100% polyethylene		
Tension resistance *	Warp 34 kg/cm 210 lbs/in	Fill*** 30 kg/cm 185 lbs/in	Yes	Warp 80 kg/cm 490 lbs/in	Fill*** 50 kg/cm 320 lbs/in	Yes
Tear resistance	Warp 31 kg 68 lbs	Fill*** 31 kg 68 lbs	Yes	Warp 40 kg 88 lbs	Fill*** 40 kg 88 lbs	Yes
Resistance to cold temperature	-40°C / -40°F		Yes	-40°C / -40°F		Yes
UV resistance	More than 80% strength retention after 2000 hours of exposure		Yes	More than 80% strength retention after 2000 hours of exposure		Yes
Flame resistance	Not applicable		No	Not applicable		No

Lbs/in. = Pounds/inch = lbf  
yd<sup>2</sup> = square yard  
g/m<sup>2</sup> = GSM

\* Tension resistance or grab tensile  
\*\* Certified = tested according to recognized standards  
\*\*\* Fill or Weft

