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High Tech Fabric Solutions

70 DENIER NYLON RIPSTOP T.P.U.

CODE	N19TPU	
CONSTRUCTION	100 % NYLON 70 X 70 DENIER RIPSTOP WEAVE	
WIDTH	148 CM	
FINISH	PD & THERMO PLASTIC URETHANE COATING	
WEIGHT	140 GMS	
MINIMUM ORDER	500 MTRS	

This lightweight nylon rip-stop makes an excellent moisture barrier and has the added advantage of a Thermo Plastic coating giving it an even smooth surface. It has excellent welding properties.

Thermoplastic Urethane (T.P.U.) is a highly sophisticated urethane elastomer derived from a blend of polyether, polyester and isocyanate monomers. Unlike earlier urethanes that were strictly polyester derivatives, Thermoplastic Urethane (T.P.U.) offers extreme lightweight and low temperature flexibility, and far superior fungal and hydrolysis resistance. Unlike neoprene compounds, Thermoplastic Urethane (T.P.U.) has no volatiles and therefore is also approved for use with potable water.

PHYSICAL PROPERTIES

	T.P.U.	Neoprene
Tensile strength	3500 psi (24100 kPa)	1300 - 1500 psi (9000 - 10350 kPa)
Elongation	425%	425%
Shore A	80	60
Specific gravity	1.18	1.43
Permanent set	18%	25%
Hot air tensile retention	110%	70%
Wall thickness	0.015" (381 µm)	0.040" (1016 µm)
Free sulfur content	None	1% maximum