

Product Name: TPU 1001 P

Polyurethane Coated membrane, Nylon fabric.

End Use: Inflatable life jacket bladders.

Certified with: MSC/Solas specification **MSC 70/23/Add 1** and with: **ISO 12402-7** for the following colors:
Neon Yellow, Spanish Yellow, Red, Fluorescent Red and International Orange.

Property Method	Exposure	ISO 12402-7 Requirement	Typical Values
Fabric Type	-	Nylon	Nylon
Total Weight	-	273 [gr/m ²]	273 [gr/m ²]
Tensile Strength ISO 13934-1	1. Standard Condition	Warp - 930N Weft - 800N	Warp - 1200N Weft- 1000N
	2. After accelerated aging 168 hours at 70°C	≥ 90%	Pass
	3. After soil burial fungus resistance 12 weeks	≥ 90%	Pass
	4. After 300 hours accelerated weathering Xenon Machine	≥ 60%	Pass
Trapezoid Tear Strength ISO 9073-4	1. Standard Condition	Warp - 45N Weft- 36N	Warp - 60N Weft - 45N
	2. After accelerated aging 168 hours at 70°C	≥ 90%	Pass
Permeability of CO2 ISO 7229	1. Standard Condition Using CO ₂ gas	100%	
	2. After accelerated aging 168 hours at 70°C	≤ 110%	Pass
	3. After soil burial and fungus resistance 12 weeks	≤ 110%	Pass
	4. 65°C at 95% relative humidity for 360 hours	≤ 110%	Pass
Adhesion ISO 2411	1. Standard Condition	180 N/50mm	250 N/50mm
	2. After 42 days at 70°C over water	150 N/50mm	220 N/50mm
Flexibility ISO 7854 Method A	1. Standard condition 9000 cycles	No Cracking	Pass
	2. After 42 days at 70°C over water, 9000 cycles	No Cracking	Pass