

Porosity Check:
PHI Maestro 2 22
check date: 14/01/2025

Glider specification:

<ul style="list-style-type: none"> Manufacturer: PHI date of manufacture: 2022 	<ul style="list-style-type: none"> Model and size: Maestro 2 22 Serial number: 007-631-H
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1. Bettsometer test sail*:
0,8 daN applied: passed

*measures the resistance to the formation of a tear to determine fabric degradation:

The needle of the Bettsometer is inserted into the fabric of the sail and a tension of min 0,6 daN (612 gr) is applied to control if there is any formation of a tear:

> 0,7 daN = good	0,6 daN – 0,7 daN = acceptable	< 0,6 daN = not airworthy
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1. Bettsometer test ribs*:
0,9 daN applied: passed

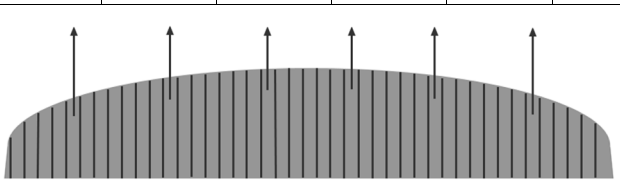
*measures the resistance to the formation of a tear to determine fabric degradation:

The needle of the Bettsometer is inserted into a rib and a tension of min 0,6 daN (612 gr) is applied to control if there is any formation of a tear:

> 0,7 daN = good	0,6 daN – 0,7 daN = acceptable	< 0,6 daN = not airworthy
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2. Porosity test*:

*Paraglider porosity measures the amount of time it takes for a certain volume of air to pass through the paraglider canopy fabric. To test the porosity of a glider, we use a **Porosimeter (JDC-Electronics porosimeter MK2)**

Top sail					
209 s	394 s	515 s	289 s	412 s	135 s
					
<u>Average top sail: 325 s</u>					
Measure references:					
<ul style="list-style-type: none"> + 400 seconds : Excellent 			<ul style="list-style-type: none"> • 50 – 100 seconds: Used, good condition 		
<ul style="list-style-type: none"> • 250 - 400 seconds: Very good 			<ul style="list-style-type: none"> • 20 – 50 seconds: Heavily used: Material check at shorter intervals required 		
<ul style="list-style-type: none"> • 100 – 250 seconds: Good 			<ul style="list-style-type: none"> • 0 – 20 seconds: Not airworthy 		