



ALPHA

ALPHA, the new fiber helmet by SUOMY, designed giving maximum consideration to internal comfort, construction technology, reliability and safety for end users.

ALPHA has been designed and tested to optimize external flow while taking serious consideration to the internal ventilation. In the project ALPHA new technical solutions have been introduced.

The new materials used in construction (a mix of different layers woven together to obtain the maximum performance with minimum weight), give the shell a unique rigidity while maintaining considerable lightness in the overall weight of the helmet

SHELL

Shell produced in TRICARBOCO, the new material used to obtain a lighter but at the same time more rigid shell.

The new composite is a mix of carbon fiber with various weights/break loads and an aramidic composite that has made the shell very light, and at the same time more resistant to certification crashes.

- Shell sizes:

To meet the demanding customers ALPHA is realized in two different shells : M and L.

INTERNAL POLYSTYRENE

Internal polystyrene realized in three sizes to obtain a better ergonomics and a variable density. This characteristic allows a gradual and progressive absorption of the energy produced by the impact.

Even if the bigger part of the energy created by the impact is absorbed by the external shell, thanks to its deformation, the role of polystyrene is determinant for the absorption of the residual energy.

A diversified density of the polystyrene, permit us to optimize the mechanical performance of the shell/polystyrene.

VENTILATION

Internal polystyrene was studied to work in symbiosis with the air intake on the external shell. Particular channelings obtained on polystyrene, permit to air flow intake an optimal ventilation into the helmet and a quickly exhaust of the hot air.



INTERNAL PART

The cheek pads and the internal comfort shell can be removed, washed and replaced.

They are made of a precious fabric with specific fibers, that offer:

- It moves away the body sweat;
- Keeps rider fresh, dry and completely comfortable;
- Lightweight, soft and breathable fabric;
- Performance controlled and certified by ADVANSA.

The cheek pads are easily removable also in case of accident through a red strap which removes the cheek pad even if the helmet is worn by the rider.

RETENTION SYSTEM

The retention system used is our famous and tested "D-RING" with double D rings.

TECHNICAL FEATURES

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| 1. Certifications: | ECE 22.05, DOT, |
| 2. Commercial name: | ALPHA |
| 3. Description: | PROTECTIVE HELMET STUDIED FOR OFF ROAD |
| 4. Materials: a. <u>Shell:</u> | ARAMID AND CARBON COMPOSITE FABRIC WITH DIFFERENT PATTERN AND WEIGHTS, REINFORCED THROUGH VINYL RESINS. REALIZED IN TWO DIFFERENT SIZES (M-L). |
| b. <u>Polystyrene:</u> | POLYESTERENE PRODUCED IN THREE SIZES (S-M-L). VARIABLE DENSITY ACCORDING TO THE SIZE. |
| c. <u>Visor:</u> | NO VISOR |
| 5. Retention system: | POLYESTERE STRAP WITH PATENTED D-RING SYSTEM |
| 6. Peaks: | ADJUSTABLE AND REPLACEABLE PEAKS |
| 7. Spare parts: | FOAM FILTERS FOR THE AIR VENTILATION, COVER FOR THE UPPER AIR VENTILATION FOR THE USE IN COLD CLIMATE |
| 8. Approx. weight: | 1150 ± 50 |
| 9. No. shells: | 2 |



- 10. No. polystyrene: **3**
- 11. Chart for sizes and features :

SIZES

Size printed shell	M		L
Size polystyrene	S	M	L
Size helmet final user	XS - S	M - L	XL - XXL

Note:

All the Suomy products are constantly subject to a continual improvement process, that's why Suomy reserves the right to make changes, without prior notice, to the products object of this technical sheet.

It is therefore not possible to exercise any rights on the basis of the information, illustrations and descriptions contained in this technical sheet.

SUOMY MOTOSPORT Srl

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