CASTECH
Macchine per la connessione - Isolanti elettrici

TECHNICAL DATASHEET		Article	400xxxxxxxxxxx
Code	SK006-AA-01-IT	Description	Ultrasound caps
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General features

Ultrasonically welded caps and tubes are realized using two layers of insulating material, ultrasonically welded on three sides. The product and the process are the result of the experience, developed during several years, in materials coupling, thermo-forming and welding of plastic materials.
It is possible to produce a wide range of tubes and caps, as the ultrasonic welding system used in the production, allows to connect almost all major plastic materials.
Tubes of different materials—coupled and laminated– can be produced, with the same materials used for phase insulation and between phases and earth in the electric machines, to insulate connections, copper wires, cables and components in electric motors.
Competitive cost, limited size, perfect impregnation and user-friendly are the advantages that make the caps perfect for applications such as connection insulation and use in the electric machines manufacturing.

Features

Feature	U.M.	Value										
Available diameter range[1]	mm	2,5	3	3,5	4	4,5	5	6	7	8	9	10
Available lengths[2]	mm	15 - 45 tolerance ± 3							25 - 45 tolerance ± 3			
Material		DMD I										
Thickness range	mm	0,19 - 0,22										
Dielectric strength	KV	5 kV										
Thermal class		" 130 - 150° C "										

Notes and prescriptions

1) Diameter is the ID of the cap.
   Tolerance on the cap diameter ± 20%.
2) Nominal length of the empty part of the cap, plus about 5 mm to be added for the front closure. For example: cap length 30mm = 30+5 = 35mm

The main application field of DMD I insulating caps is the construction of motors, transformers, coils and electric machines in general, with thermal class "A(105°) or B(130°) up to F (155°)" maximum, combined to suitable impregnation resins. If used as insulation for the connection, it should not be placed on the connection if realized with heating systems (welding, thermo crimping) **still hot.**

N.B.: particular attention should be paid to the storage, environmental conditions should **not exceed 25° C**, medium life guaranteed **12 months.**

Do not expose to contact with oils.

General tolerance on supplied quantity ± 5%.

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