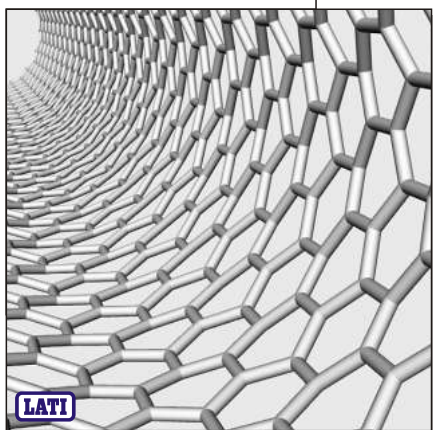


LATIOHM CNT

Carbon Nanotubes

Key Properties:

- Controlled resistivity level in a range between 10^3 to $10^6 \Omega\text{cm}$;
- Homogeneous distribution of electrical conductivity leading to elimination of "hot spots";
- No deposit or dust from fibers, powder, particles and aggregates;
- Excellent dimensional stability;
- Outstanding surface finish.



Carbon black, graphite, carbon fibers and steel fibers are typical electrically conductive additives. It is well known that these fillers present some intrinsic limits related to conductivity, dimensional stability, mechanical properties and clean usage.

Lati proposes today a range of new LATIOHM products filled with carbon nanotubes and destined to those sectors where absolute performance is mandatory: the LATIOHM CNT family.

The morphology of carbon nanotubes allows excellent performances, even with reduced filler contents, unlike steel and carbon fibers.

With **LATIOHM CNT** it is now possible to have adequate thermoplastics products for:

- electronic, medical and micromechanical field where highest cleaning is needed;
- conductive parts, also made up of very thin walls, where cavity filling would be difficult;
- items destined to the electrostatic painting without using primer or other adjustments.

And all these application sectors where excellent electrical performance must meet tight tolerances, clean operation and perfect surface finish.

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Note: The information contained in this document represent average values obtained as the result of laboratory tests and experiences carried out on our injection moulded materials characterized and conditioned in conformity with Standard ASTM D 618, procedure A (40 h -23°C -50% U.R.). Said values refer to our current best scientific and technological know how and are not used as a basis to develop applications. As a

reciprocal guaranty we suggest to contact our technical and sales department with the purpose to assess the right characteristics according to the various applications. LATI Industria Termoplastici S.p.A. declines all responsibilities for the misuse of products described in this document, in conformity with Presidential Decree n. 224 of May 24, 1988, issued in implementation of CEE 85/374 Standard.

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