
ALLIED TECH SUPPLY

CERAMIC SOLUTIONS

Injection Molded 50um Molded Hole in Advanced Ceramics

Allied Tech Supply has successfully molded nozzles with a 50um hole in high purity zirconia. This is the first time a ceramic injection molder has been able to injection mold a part with a 50um hole.

In fact, ATS has successfully molded 50um, 64um, and 75um holes for the past several years. ATS can provide components with holes down to 50um in any of its dozens of material systems including alumina, zirconia, aluminum nitride, zirconia toughened alumina, alumina toughened zirconia, and many others.

ATS has already started considering the molding of 25um holes in the near future and will continue to push the limits of what is possible with ceramic injection molding.



(image of a molded 50um hole in zirconia near human hair)