

## Alternative to sandblasting

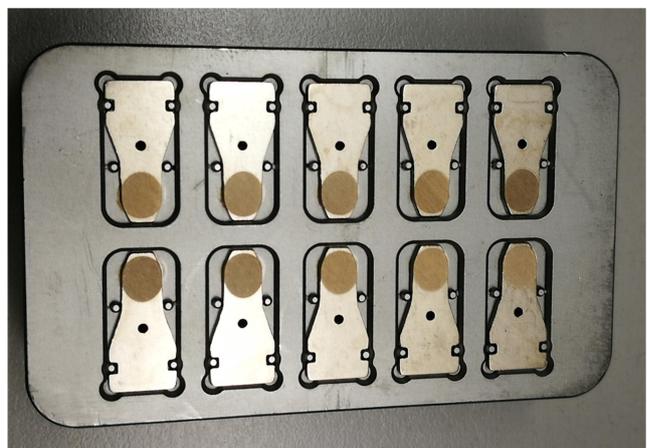
29 January 2019

Manual or semi-automatic sandblasting with corundum is the typical treatment used for metal preparation for rubber to metal bonding. It mechanically removes physical contaminant that may be present on the metal parts and increases the roughness of the surface, therefore increasing the contact area between metal and rubber. Sandblasting is widely used for big metal parts but it may cause problems:

- When used for precise metal parts , especially with thin sections => distortions on the part and rubber flash after moulding
- If the metal part have been coated (nickel or zinc coating) => unwanted coating removal may cause in-service corrosion

Sandblasting is also sensitive to the process set-up , contamination of the media , state of use of corundum.

Local microblasting can be used for small precise part.



The copying, distribution and utilization of this document as well as the communication of its contents to others without expressed authorization is prohibited. Information and materials are subject to change without notice