

Conclusion

The following are the main findings of this study.

- (I) The removal rate increases with the increase of the polishing pad surface temperature in the sapphire-CMP.
- (II) The pad asperity of the non-woven fabric pad is changed owing to the effect of the polishing pad surface temperature.
- (III) In the sapphire-CMP, the increasing of the number of the contact points can lead to the high removal rate.