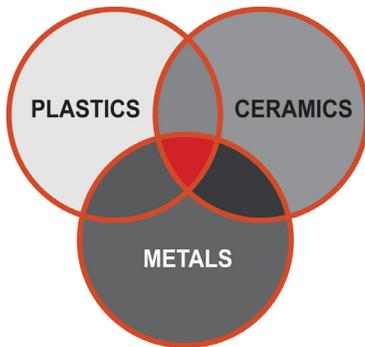


# DuPont™ Vespel®

Parts and Shapes for Semiconductor Processes  
Longer Life and Lower Cost of Ownership

## Consistent Performance in Extreme Environments

DuPont Vespel® polyimide parts come with a documented record of reliability and durability in wafer handling, wafer processing, IC handling and testing and in other semiconductor manufacturing operations. As an alternative to ceramics, quartz and unproven types of plastics, Vespel® parts reduce ownership costs with longer life in the chamber and extended maintenance intervals.

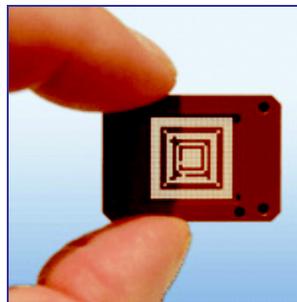


DuPont™ Vespel® parts and shapes consist of five families of materials that provide a unique combination of physical, thermal, and forming properties to match the needs of your application. In addition to the flagship Vespel® S family, the product portfolio also includes Vespel® TP (thermoplastic), Vespel® CR (chemical resistant), Vespel® CP (composite) and Vespel® ABS (assemblies). Put this material lineup and in-depth technical expertise to work on your most challenging problems.



### For reliable wafer and flat panel glass handling, Vespel® parts and shapes provide:

- Low wear = low particles = reduced contamination and positional accuracy
- Surface characteristics result in less damage to substrates
- High temperature capability



### Vespel® parts improve test accuracy

- Dimensional stability
- Excellent electrical insulation
- Stiffness to resist insertion force



*The miracles of science™*

**When you need a material that has  
uncompromising performance...  
THINK VESPEL®**

- Low friction, low wear
- High temperature resistance
- Ultra-low out-gassing in vacuum
- High purity
- Good “physical” plasma resistance (resistance to ion bombardment)
- Excellent machinability



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Visit us at [vespel.dupont.com](http://vespel.dupont.com)

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(07/11) Reference No. VPE-A10958-00-A0611



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