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产品/机械

The Five Families of DuPont™ Vespel® parts & shapes

Vespel® parts, manufactured by DuPont to your design specifications can be made from five families of materials (polyimides, thermoplastics, composites, assemblies and chemical resistant) that provide a unique combination of the physical properties, offering you the ultimate in design flexibility. Often several parts can be combined into one, parts can be designed to simplify product assembly, or parts can be eliminated. As with metals and ceramics, Vespel® parts can successfully perform in demanding physical environments.

Vespel® S Line

Within the S line, Vespel® parts and shapes include many products with differing sets of attributes. First in the Vespel® family of products—highly durable polyimides that deliver exceptional wear resistance, insulation, and a low coefficient of friction.

Vespel® TP Line

This innovative thermoplastic material lets you improve functionality in ways you never thought possible. In fact, just like the S line, TP parts have superior wear, chemical and temperature resistance; you can even use them to replace metal and ceramic parts. And also like the S line, various TP products have been created to fit a variety of design specs.

Vespel® CR Line

Luckily, being prepared simply means thinking Vespel® CR when you're designing for a tough chemical environment. CR provides excellent chemical resistance whether it's in aggressive refineries or wet semiconductor applications. It offers high-creep resistance for seals and easy machinability for tight-tolerance parts like ball-valve seats.

Vespel® CP Line

For your designs to be successful, they have to do more than work well. They have to keep on working, year after year, in some pretty harsh user environments. Wear and impact resistance are key. You want polyimide tube clamps that can replace cast aluminum or titanium, slide blocks that are stronger than powder-filled compositions, and wear strips that are self-lubricating. That's why CP was created. We have an array of fiber-enhanced Composites for a range of unique design needs.

Vespel® ASB Line

The ASB family brings together our broadening product line for increased flexibility in developing a solution to meet your individual performance and value demands.

Company Profile of **DuPont™ Vespel® Parts and Shapes**

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