



Kapton®

polyimide film

We have lift off!



Application Description

On October 30, 1997 Ariane 5 lifted off the Kourou launch pad, a success for Europe's heavy launcher.

On this 502 flight the rocket took off at a weight of 747 tons. It will be able to loft into geostationary orbit payloads up to 6.8 tons and replace progressively the Ariane 4 series.

R & D efforts to boost the payload up to 11 tons are already underway. No doubt this will be a key factor in keeping the No. 1 position in the civil space transportation sector, with a 60% share.

Kapton® polyimide film is used as the primary insulation on the electrical cables used in the harnesses connecting the different key elements of the rocket insuring their functionality. Kapton® film provides high temperature resistance as well as weight and space savings, very important features in aerospace applications.

Reasons for Choosing Kapton®

- Light weight and space savings
- Resistance to extremely high temperature
- Longevity