



Super Engineering Plastic Film for FPC

Low Modulus Heat Resistant Film

Expands the possibilities of high frequency flexible printed circuits (FPC).

This is a new type of polyamide film that achieves both low modulus and heat resistance, which was previously difficult to combine for films. It shows excellent adhesion with copper foil and this feature makes the lamination process easier. The film can be used in a wide range of applications where conventional low-elasticity films do not fit because of the low heat resistance.

- Made from Unitika's unique polyamide resin
- Low modulus and heat resistant functional film
- Excellent in electrical characteristics and bending resistance

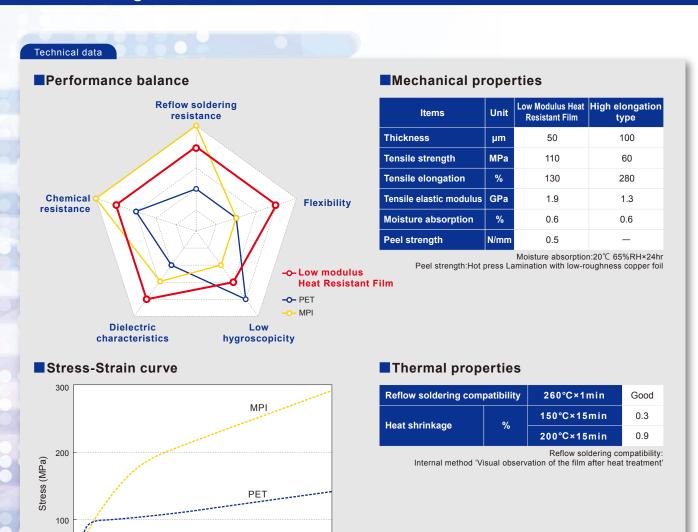
Low modulus Heat Resistant Film

Strain (%)

40

20

Excellent in adhesion and chemical resistance



60

Low Modulus Heat Resistant Film

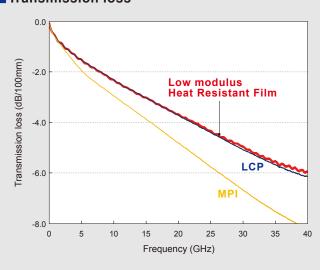
Technical data

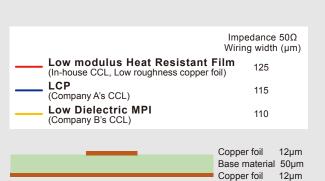
■ Dielectric characteristics

Items	Low modulus Heat Resistant Film	MPI	LCP
Dielectric constant	2.7	3.7	3.3
Dielectric dissipation factor	0.005	0.005	0.002

Cavity perturbation method; 5.8GHz, 23°C 50%RH

■Transmission loss





Applications

High frequency flexible printed circuit board

- <FPC and related substrates>
- <Others>
- •High speed FPC
- ·Heat resistant tape
- •Low modulus FPC
- Sealing film
- ·Flexible flat cable
- •High speed antenna FPC
- etc.
- Flexible coverlay









(Notice) This product is under development. The information in this document is presented without guarantee and warranty.