

TECHNICAL INFORMATIONS POLYIMIDE FILM 6051

PRODUCT DESCRIPTION

PI-film 6051 is a golden, semi-transparent isotropic film that withstands higher temperatures than PET films. This product shows outstanding electrical and chemical properties, as well as excellent temperature resistance (from -200°C to 260°C). It is also scratch and abrasion resistant.

APPLICATION

6051 is designed for insulation of copper wires, copper bars or slots. It is UL94 V-0 recognized for its flame-retardant properties.

CHARACTERISTICS

Nominal Thickness	25	50	75	125
Weight (g/m ²)	35	71	104	177
Dielectric Strength (kV/mm)	≥210	≥200	≥200	≥200
Tensile strength MD (N/cm)	≥160	≥160	≥150	≥150
Elongation MD and TD (%)	≥60	≥60	≥60	≥60
Thermal Shrinkage (MD and TD) (%)	6	7	8	11
Thermal resistance	-200°C to 260°C			

PACKAGE

Shelf life is 18 months from EXW date in original packing and under normal conditions (room temperature, 50% relative humidity). Standard width is 1000 mm. Available from 10 mm width upwards. Order PI-film 6051-XXmm where XX is the thickness grade stated in the table above.