

6020 Polyester Film

1. GENERAL INFORMATION

PET-film 6020 is a biaxial oriented polyethylene terephthalate (PET) film produced through melting, casting and stretching. PET-film 6020 has good electrical insulating properties, physical and mechanical properties and dimensional stability. The film is applicable for electrical insulation of electric motors. It is UL recognized under the file no.: E324567 and is certified by SGS and meet RoHS and REACH requirements.

The colour of this product is transparent.

2. TECHNICAL VALUES

Nominal Thickness			[µm]	36	50	75	100
Area Weight	IEC 60674-2	[g/m ²]		51	70	110	140
Elongation at break (MD and TD)	IEC 60674-2	[%]		≥120	≥80	≥80	≥80
Tensile Strength (MD and TD)	IEC 60674-2	[%]		≥185	≥150	≥150	≥150
Thermal Shrinkage (MD and TD)	IEC 60674-2	[%]		≤1,5	≤3	≤3	≤3
Volume Resistivity	IEC 60674-2	[Ω·m]		3	4	5	8
Relative Dielectric Constant (50Hz)	IEC 60674-2	-		2,9~3,2	2,9~3,2	2,9~3,2	2,9~3,2
Dielectric Dissipator Factor (50Hz)	IEC 60674-2	-		≤3x10 ⁻³	≤3x10 ⁻³	≤3x10 ⁻³	≤3x10 ⁻³
Melting Point	IEC 60674-2	[°C]		≥256	≥256	≥256	≥256
Surface Resistivity	IEC 60674-2	[Ω]		≥1x10 ¹³	≥1x10 ¹³	≥1x10 ¹³	≥1x10 ¹³

3. STORAGE AND AVAILABILITY

- 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

4. NOTES

All statements, technical information, and recommendations contained in this document are based on tests or experience that we believe are reliable. However, many factors beyond our control can affect the use and performance of a product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes. Tolerances on thickness and area weight are +/- 15% if not stated differently.

All questions of warranty and liability relating to our products are governed by the terms of the respective sale subject, where applicable, to the prevailing law.

5. VERSIONING

Rev. 4 dated 16/07/2026