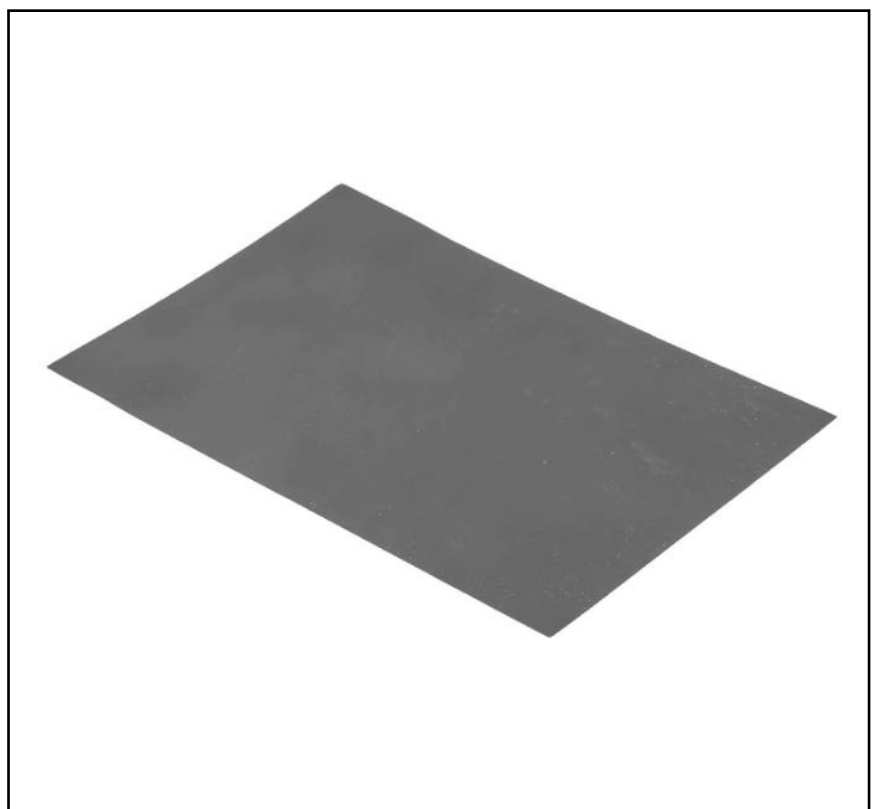


FEATURES

- Polypropylene (PP) electrical insulating film
- Flame-retardant
- Moisture resistant
- Dielectric strength of 1460 kV
- Density of 1035kg/m³
- Length of 304 mm
- Width of 200 mm
- Thickness of 0.25mm
- Pack of five sheets of plastic film
- UL 94 V-0 certification, for fire safety
- Non-hygroscopic (moisture absorption < 0.1%)
- Excellent dielectric strength
- Superior score and folding ability
- Economical

Polypropylene Plastic Film, 304mm x 200mm x 0.25mm

RS Stock No.: 785-0809



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This flame retardant and chemical resistant polypropylene plastic film from RS PRO provides a durable and strong insulation solution for a variety of uses. The electrical insulating film is flexible and thin, at a thickness of just 0.25 mm.

With an outstanding dielectric strength of 1460 kV/mm, this plastic film gives effective electrical insulation and absorbs less than 0.1% of moisture as it's non-hygroscopic. The thin and lightweight thermoplastic can be scored or folded easily to fit your requirements, and, as it is strong, it won't split or crack. Polypropylene (PP) film is flame-retardant and resistant to chemicals and so is an essential choice to create sturdy insulation in industrial environments. Shield against electrical surges with this film, thanks to its density of 1035 kg/m³ and resilient dielectric breakdown.

General Specifications

Material	Polypropylene
Colour	Natural and Black
Flame Retardant	V-0
Application	Electrical

Electrical Specifications

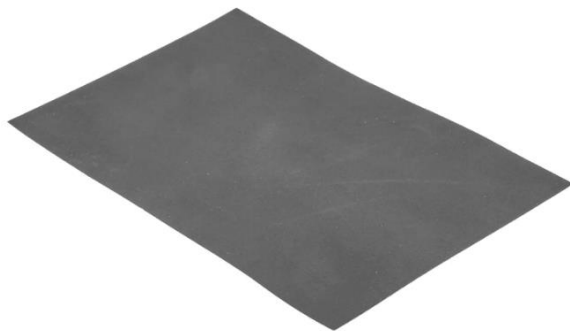
Dielectric Strength	1460kV/mm
Dielectric Breakdown	24,820V
Volume Resistivity	3.97 x 10 ¹⁵ Ω-cm
Dielectric Constant	2.30
Dissipation Factor	0.0019

Mechanical Specifications

Length	304mm
Width	200mm
Thickness	0.25mm
Density	1035kg/m ³
Tensile Strength	4400psi
Water Absorption	0.06%
Oxygen Index	29
Surface Energy	≥50Dynes/cm

Approvals

Compliance/Certifications	RoHS (Restriction of Hazardous Substances) Compliant, UL 94 V-0
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Tensile Yield	ASTM D-882	Machine Direction Transverse Direction	4400psi 3200psi
Density	ASTM D-792		1.035gm/cc
Flammability	UL 94		V-0
Oxygen Index	ASTM D-2863		29
Water Absorption	ASTM D-570	Change in weight	0.06%
Heat Deflection Temperature	ASTM D-648	At 66psi	121 ^o C
Relative Thermal Index	UL 746B	Electrical Mechanical Without Impact	115 ^o C 115 ^o C
Surface Energy	ASTM D-2578	Dynes/cm (as produced)	≥50
Dielectric Breakdown	ASTM D-149	Volts	24,820
Dielectric Strength	ASTM D-149	Volts/Mil	1460
Volume Resistivity	ASTM D-257	Ohm-cm	3.97 x 10 ¹⁵
Dielectric Constant	ASTM D-150		2.30
Dissipation Factor	ASTM D-150		0.0019
High Current Arc Ignition	UL 746A	Arcs to ignite	162
High Voltage Arc Tracking	UL 746A		0.0
Hot Wire Ignition	UL 746A	Seconds	9
Comparative Tracking Index	ASTM D-3638	Volts	600