

Electrical Insulation Material

Hostaphan® WN FI 13012

Structure: Hostaphan® WN FI 13012 is a transparent, biaxially oriented film of polyethylene terephthalate (PET). It is distinguished by its exceptional physical properties.

Characteristics: Hostaphan® WN FI 13012 provides unique design possibilities to the electronics industry due to the excellent balance of its electrical properties combined with chemical, thermal and physical properties. Hostaphan® WN FI 13012 is characterized by excellent resistance to moisture and common solvents.

Application: Hostaphan® WN FI 13012 is used in motors and generators as slot insulation, phase insulation and slot closures. In transformers, chokes and relays Hostaphan® WN FI 13012 is used as core, layer and cover insulation.

Colour: Hostaphan® WN FI 13012 is available in white as standard.

Form of Supply: Hostaphan® WN FI 13012 is supplied on rolls (up to 1600 mm width), as tapes (from 6 mm wide). Other formats are manufactured to customer specifications.

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Storage Conditions: Hostaphan® WN FI 13012 has an unlimited shelf life, when stored under normal conditions (20 ° C, 50% RH).

Properties	Norm	Unit	Value		
Total Thickness		µm	125	250	350
			± 12%	± 12%	± 12%
Area Weight		g/m ²	175	350	490
Area Yield		m ² /kg	5.7	2.8	2.4
Tensile Strength:					
MD	ISO 527-1	N/mm ²	≥200	≥200	≥160
CMD		N/mm ²	≥230	≥200	≥180
Elongation:					
MD	ISO 527-1	%	≥170	≥200	≥230
CMD		%	≥120	≥170	≥170
Shrinkage					
MD	DIN 40634	%	≤1.0	≤1.0	≤1.0
CMD			≤1.0	≤1.0	≤1.0

Trademark information: Hostaphan® is a registered trademark of the company MITSUBISHI POLYESTER FILM.

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Information:

The information in this Technical Data Sheet is based on our present knowledge and experiences. It does not release the user from conducting their own trials and examinations to determine the suitability of the product for his intended use. A legally obligatory warranty of certain characteristics or the suitability for a specific targeted application cannot be derived from our data. Depending upon individual cases we recommend consultation with us. Any patent rights as well as existing laws are to be considered by the receiver of our products as their own responsibility.

Dr. Dietrich Müller GmbH