

MATERIAL SPECIFICATION

Material: **HS coating // Al12 hard**

Application: winding material for transformer bushings

Properties	Unit	Typical value
Thickness	µm	20 ± 10%
Unit weight	g/m ²	± 10%
Width	mm	50-1200
Core (standard)	mm	76 or 152
HS coating (vinyl/acrylic)		
- amount per layer	g/m ²	8 +1/-0.5
-Softening temperature	°C	>100
Al foil		
Tensile strength	N/mm ²	62
Elongation	%	4.5
Mullen burst strength	kPa	70
Density	kg/dm ³	2.71
Thermal conductivity (20°C)	W/mC°	225
Specific heat (20-100 °C)	J/kgC°	920
Resistivity (20°C)	Ohm-m	29x10 ⁻⁹
Permeability of water vapor (23°C, 85-0%RH)	g/m ² /24 hrs	<0.01
Pinholes/dm ²		0

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