

TECHNICAL DATA SHEET



Article code 45S

K8 _K12 PET MET SILVER

Profile:

* Metallized bi-axially oriented polyester film. Clear chemically pre-treated polyester outside of the roll, metallized on the inside.

Features:

* Chemical coating on the outside of the roll suitable for UV and solvent-based inks and adhesive systems.

* Good mechanical and dimensional stability

* Good moisture and oxygen barrier

* Good machinability and dimensional stability over a wide range of temperature

Applications:

* Wet lamination onto paper and paperboards, covers, brochures, boxes, bags, paper plates and so on

TYPICAL PROPERTIES $\pm 3\%$		UNIT	TEST METHOD	VALUES
Thicknesses		Microns	Internal	8 _12
Yield		M ² /kg	Internal	89.2 _ 59.6
Unit Weight		g/m ²	Internal	11.21 _ 16.78
Optical density		-	Tobias Instrument	2.2+/-5%
Metal bond strength		gm/25mm	Internal	250
MECHANICAL PROPERTIES $\pm 3\%$		UNIT	TEST METHOD	VALUES
Tensile Strength	MD / TD	kg/cm ²	ASTM D-882	2200 / 2100
Elongation at Break	MD / TD	%	-	100 / 90
THERMAL PROPERTIES $\pm 3\%$		UNIT	TEST METHOD	VALUES
Thermal Shrinkage (at 150°C/30 mins)	MD / TD	%	ASTM D-1204	2.4 / 0.4
SURFACE PROPERTIES $\pm 3\%$		UNIT	TEST METHOD	VALUES
Coefficient of friction (Metal to film)		Static / Dynamic	ASTM D-1894	0.75 / 0.65
Surface Tension (out-side)		Dynes/cm	ASTM D-2578	42
BARRIER PROPERTIES $\pm 3\%$		UNIT	TEST METHOD	VALUES
WVTR, 37.7°C, 90% RH		gm/m ² /day	ASTM F-1249	0.8
O2 Permeability 23°C, 0% RH		cm/m ² /day	ASTM D 3985-95	1.0

MD = Machine Direction TD = Transverse Direction WVTR = Water Vapor Transmission

Recommended Storage conditions: Store in dry, clean location away from direct sunlight at about 20 ~ 30°C relative humidity 55+5%. Excess humidity & heat can influence the film properties. Film roll should be wrapped with a layer of film for protection.

Warranty: 180 days from the date on the invoice, claims after 180 days cannot not be accepted, for warranty purposes please have available full label information, without this, claims cannot be handled or accepted.

Disclaimer: The information provided above is to the best of the knowledge of the producer. The values provided are test results, which are indicative only and provided as guidelines.

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