

## POLYESTER PET FILM

Polyester film PET, activated unilaterally or both sides inactivated. It has got excellent mechanical properties. Film of this type is also characterized by high gloss and very good transparency. Thanks to its structure and properties PET film is a highly good printing surface. Moreover, it finds its application in the production of various types of thermo-formable packaging for perishable products, so as to extend their shelf life. They are commonly used in food industry.



### Application

- ☒ Printing
- ☒ Gluing and heat-sealing
- ☒ Lamination
- ☒ Metallization
- ☒ Punching
- ☒ Production of:
  - o - Packaging "with a window"
  - o - Punching e.g. boxes
  - o - Heat forming - plastic blisters
  - o - Printing - screen printing, offset, solvent
  - o - Production of advertising materials
  - o - Elements of packaging
  - o - Food packaging



### Main properties

- ☒ resistant
- ☒ rigid
- ☒ almost non-flammable
- ☒ it has a high impact strength
- ☒ thermally resistant
- ☒ it has excellent optical properties
- ☒ it can be combined with different types of film
- ☒ it combined with different materials
- ☒ suitable for staining
- ☒ high barrier (steam and gases)
- ☒ PET film is environment friendly because:
  - ☒ it is recyclable
  - ☒ it does not emit toxic fumes during the process of combustion
  - ☒ it is characterized by low lead content and lack of cadmium, mercury and chromium

Properties		Method	Unit	Values
Thickness		-	µm	12
Density		D-1505	g/cm <sup>3</sup>	1,4
Weight		-	g/m <sup>2</sup>	16,8
Yield		-	m <sup>2</sup> /kg	59,52
Treatment level (treatment side)		D-2578	mN/m	52
Kinetic coefficient of friction (treatment side from non-treatment side)		D-1894	-	0,5
Kinetic coefficient of friction (non-treatment side from non-treatment side)		D-1894	-	0,45
Haze		D-1003	%	4
Tensile strength	MD	D-882	kg/cm <sup>2</sup>	1900
	TD		kg/cm <sup>2</sup>	2000
Elongation at break	MD	D-882	%	105
	TD		%	85
Linear shrinkage	MD	D-1024	%	3
	TD		%	1

MD - along  
TD - across

Note: All data included in the sheet come from the film manufacturer, MarDruk packaging company has not carried out any tests of the material.