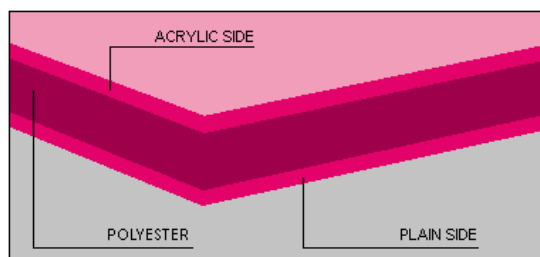


CRYSTAL LIGHT 12 μ

Polyester film designed mainly for printing and flexible packaging applications. It has good qualities of machinability together with a high temperature resistance which makes it suitable also in the processes of sterilization. The film is treated with an acrylic coating on one side to improve adhesion of both solvent-based inks and varnish.



Product Code: PPA012

Update: March 2021

TECHNICAL FEATURES

PHYSICAL PROPERTIES		METHOD	UNIT	VALUE
Thickness		Internal	micron (μm)	12
Specific weight		Internal	g/cm ³	1,4
Grammage		Internal	g/m ²	16,75
Yield		Internal	m ² /kg	59,7
Coefficient of friction (acrylic/plain)	Static	ASTM D 1894	μs	0,42
	Dynamic		μk	0,32
Wetting tension	Plain side	ASTM D 2578	Dyne/cm	42
	Acrylic side			42

MECHANICAL PROPERTIES		METHOD	UNIT	VALUE
Tensile strength	MD	ASTM D 882	kg/cm ²	2200
	TD		kg/cm ²	2300
Elongation at break	MD	ASTM D 882	%	130
	TD		%	125

THERMAL PROPERTIES		METHOD	UNIT	VALUE
Heat shrinkage 150°C / 30'	MD	ASTM D 1024	%	2,0
	TD			0,2

OPTICAL PROPERTIES		METHOD	UNIT	VALUE
Haze		ASTM D 1003	%	2,3
Light transmission			%	88

BARRIER PROPERTIES		METHOD	UNIT	VALUE
WVTR, 37.7 deg 90%RH		ASTM F 1249	gm/ m ² /day	40
O2 permeability 23deg0%RH		ASTM D 3985-95	cm ³ / m ² /day	130

Storage: store in a dry and clean place far from heat sources and humidity (max 30°C and 55% of relative humidity). Do not expose rolls to direct sunlight. Protect the partially used rolls and keep a high stock rotation. The film should be allowed to reach operating room temperature 24 hours before use.

Note: trial tests are recommended before proceeding with full production run so as to verify the suitability of the product for its specific application. Verify the compatibility of the film with inks and adhesives. Please visit our web site for more details.

The values indicated represent the best of our knowledge and experience. They are provided simply as a matter of information, taking no responsibility on their absolute truthfulness. Values may be changed without notice. Mag Data S.p.A gives no warranty, expressed or implied, as to the suitability of the product for any specific application

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