



# Ashkal MP12 - Special Grade Multicolor Film (White/Black)

Application : Milk Packaging



Ashkal MP12 is a special grade multicolor film (one side white/another side black). It has been specially designed for milk packaging to offer enhanced shelf life to pasteurized liquid milk.

The white color side offers a special surface for printing inks of all kinds especially Flexo Inks. While the backside is specially prepared to offer maximum resistance from harmful UV light from the spectrum of sunlight. This property helps prevents/slow down rapid bacterial growth that usually spoils the milk.

Our unique PE film-based solution offers an economical packaging solution to keep costs of packaging lower over PVDC/EVOH coated films.

## Key Features / Advantages

- Offers full white surface for printing halftone colors as per design: Reduces your printing costs by eliminating white ink usage and offers the best possible color combination for a designer to meet all brand communication needs.
- Black side offers UV light blockage that helps keep contents safe for over months: Enhances shelf life of products over standard PE packaging solutions\* (under optimum/recommended storage conditions).
- Most economical solution over (PVDC/EVOH) based packaging options: Keeps packaging costs lower and makes the product affordable for millions of people in developing countries.
- Fully recyclable/degradable plastic: All PCR waste a recycled and degradable in landfills\* (conditions apply).

PROPERTIES	TEST METHOD	TYPE	Unit	Typical value								
FILM THICKNESS	ASHKAL METHOD	N/A	MICRON	25	30	40	50	60	70	80	90	100
			Tolerance +/-	8%	8%	8%	7%	7%	5%	5%	5%	5%
WIDTH	ASHKAL METHOD	N/A	MM	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0	+5,-0
FILM DENSITY	ASHKAL METHOD	N/A	gm/cm <sup>3</sup>	0.92	0.92	0.92	0.92	0.95	0.92	0.92	0.92	0.92
GRMMAGE	ASHKAL METHOD	N/A	gm/m <sup>2</sup>	23.00	27.60	36.80	46.00	57.00	64.40	73.60	82.80	92.00
TENSILE STRENGTH	ASTM D-882	MD	Kg/cm <sup>2</sup>	140	170	180	200	220	220	240	260	260
		TD		120	180	160	190	200	210	220	240	250
ELONGATION @ BREAK	ASTM D-882	MD	%	280	300	350	450	500	550	575	600	600
		TD	%	300	350	400	500	600	600	650	700	750
TREATMENT LEVEL	ASHKAL METHOD	N/A	Dynes/Cm	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/M)	DYNAMIC	0.15 to 0.25								
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/F)		0.10 to 0.20								
DART IMPACT**	ISO 7765-1	FILM SURFACE	Gm.	> 3.0 to 5.0 g/μ. Dart Impact values tailored according to end use and specific requirements								
OPACITY	ASHKAL METHOD	NA	%	100								
ROLL OD ( Max.)	ASHKAL METHOD	N/A	MM	800 mm								
CORE ID	ASHKAL METHOD	N/A	MM	152/76								

\*\* Dart Impact values depends of film width and can vary between 2.0g/μ to > 5.0 g/μ

Maximum Film Thickness 200mic & TDS available on request.

## STORAGE, HANDLING AND APPLICATION/RECOMMENDATIONS:

Storage must be in a dry environment away from direct sunlight at temperature below 30 oC.

The film will maintain consistent performance over a period of up to 6 months from date of manufacture and should be converted prior to this time. Prolong storage may cause problems of machine ability, function ability or blocking on account of elastic memory of thermoplastic films. Before using this product, customer and other users should make their own independent determination that this product is suitable for their intended use and is solely responsible for all determinations regarding use of the material.

## FOOD CONTACT COMPLIANCE:

Our film fully meets the overall migration requirements and is therefore Suitable for direct food contact and it's comply with EC Directive 94/62/EC, UK Statutory Instrument 2003 No. 1941, As amended, and the CONEG Regulations (USA/Canada).

## DECLARATION:

While the information provided is accurate to the best of our knowledge as of the date compiled, it is limited to the information as specified. Ashkal (FZE), reserves the right to modify these data if necessary without prior notice and nothing herein is not intended nor should be construed as a warranty, expressed or implied. Ashkal (FZE). Also disclaims liability for any loss or damages that may occur from the use of this information