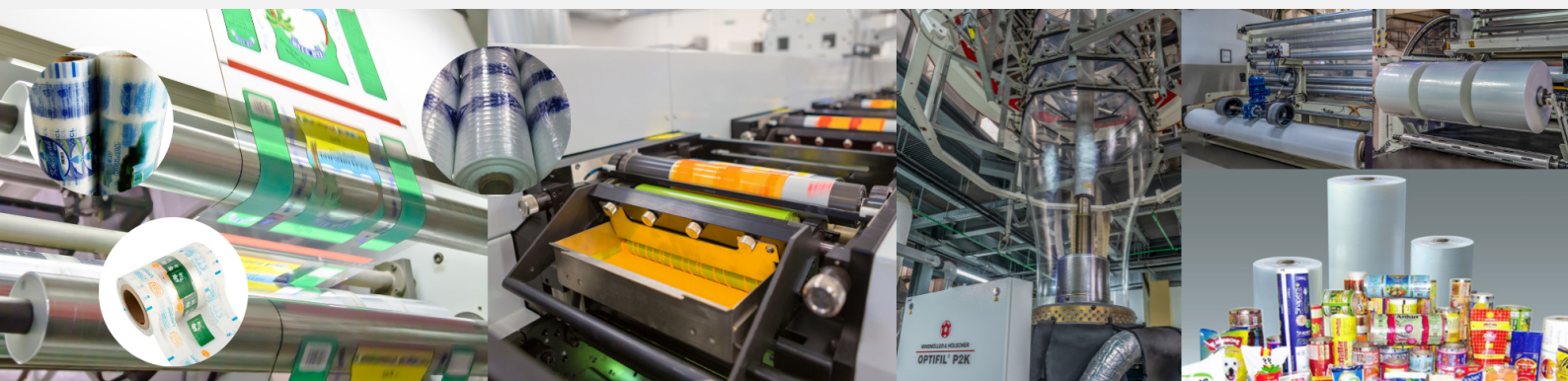




# Ashkal PS40 - Printable Polyethylene Film.

Available in 40 to 200 microns.

Suitable for reverse/surface printing in single/multi-color designs for Overwrap bags, Single layer food packing, Tissue wrap, Frozen food (meat/seafood) packing applications.



Ashkal PS40 is a unique PE formulation that prepares the surface of the film for high-speed rotogravure and Flexo printing process. The film is compatible with conventional polyurethane and Vinyl Inks systems. The specially designed mechanical and surface properties film including machine direction elongation and overall stiffness, allow conventional printing systems to run the film for all kinds of surface or reverse printing jobs.

## Key Features / Advantages

- Corona treated surface ensures optimum surface tension – Offers excellent Ink Adhesion / Bond strength. The film is compatible with the conventional PU and Vinyl Inks system.
- Specially designed mechanical and surface properties for tailored elongation to minimize film shrinkage in the printing process - Enabling perfect print color registration.

PROPERTIES	TEST METHOD	TYPE	Unit	Typical value							
FILM THICKNESS	ASHKAL METHOD	N/A	MICRON	40	50	60	80	100	110	120	130
			Tolerance +/-	8%	7%	7%	7%	5%	5%	5%	5%
WIDTH	ASHKAL METHOD	N/A	MM	+5,-0							
FILM DENSITY	ASHKAL METHOD	N/A	gm/cm <sup>3</sup>	0.935							
GRMMAGE	ASHKAL METHOD	N/A	gm/m <sup>2</sup>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TENSILE STRENGTH	ASTM D-882	MD	Kg/cm <sup>2</sup>	140	170	180	200	210	220	240	260
		TD		120	180	160	190	200	210	220	240
ELONGATION @ BREAK	ASTM D-882	MD	%	280	300	350	400	450	475	490	525
		TD	%	300	350	400	450	500	550	570	600
TREATMENT LEVEL	ASHKAL METHOD	N/A	Dynes/Cm	> 38							
COEFFICIENT OF FRICTION	ASTM D-1894	OUTER TO OUTER(F/M)	DYNAMIC	0.35-0.40							
COEFFICIENT OF FRICTION	ASTM D-1894	INNER TO INNER (F/F)	DYNAMIC	0.15-0.20							
DART IMPACT**	ISO 7765-1	FILM SURFACE	Gm.	> 3.0 g/μ							
OPACITY	ASHKAL METHOD	NA	%	NA							
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 2.0 g/μ to > 3.0 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 a temperature below 30C.

The film will maintain consistent performance over a period of up to 6 months from the date of manufacture and should be converted prior to this time. Prolong storage may cause problems of machineability, function ability, or blocking on account of elastic memory of thermoplastic films. Before using this product, customers 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 the 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 complies 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.