



# Ashkal SS60 - Sealing Layer PE Film

Application : Sugar / Spices / Extruded Snacks

Suitable with 9-12mic PET films/15-25 mic BOPP films



Ashkal SS60 is designed for food items that require the ceiling layer to withstand puncture from the sharp edges of sugar or extruded snacks like pasta and spaghetti. SS60 uses a special blend of copolymers to achieve this property while keeping the sealing properties of the film intact to perform at various operational requirements including low SIT in the range 95-105 degrees and yet offer high seal integrity with bottom/side gusset bags. Whatever, be the key line of your filling machines Ashkal SS60 is designed for optimum COF values and helps to achieve the highest productivity on your lines with minimum misalignment/wastage while operating at high speeds.

## Key Features / Advantages

- Superior surface/mechanical properties in MD/TD direction: This makes the grade suitable to design a fully recyclable laminate with PE+PE structure instead of multi polymer PET/PP or PET/PE.
- High dart impact strength – Allows for use in pasta, spaghetti, and other extruded snacks – reduces changes of product pilferage and reduces market returns number for the brand owner.
- Superior seal through contamination properties – Product contamination in sealing area does not affect sealing performance – Offers packing machine operator's complete peace of mind and high productivity.

PROPERTIES	TEST METHOD	TYPE	Unit	Typical value											
				25	30	40	50	60	70	80	90	100			
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	0.92	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	55.20	64.40	73.60	82.80	92.00			
TENSILE STRENGTH	ASTM D-882	MD	Kg/cm <sup>2</sup>	140	170	180	200	210	220	240	260	260			
		TD		120	180	160	190	200	210	220	240	250			
ELONGATION @ BREAK	ASTM D-882	MD	%	280	300	350	400	450	450	500	500	550			
		TD	%	300	350	400	450	500	500	600	650	650			
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	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25	0.15 to 0.25			
				0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20				
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/F)	DYNAMIC	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20	0.10 to 0.20			
				0.20 to 0.20	0.20 to 0.20	0.20 to 0.20	0.20 to 0.20	0.20 to 0.20	0.20 to 0.20	0.20 to 0.20	0.20 to 0.20				
DART IMPACT**	ISO 7765-1	FILM SURFACE	Gm.	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ	> 3.0 g/μ			
OPACITY	ASHKAL METHOD	NA	%	NA	NA	NA	NA	NA	NA	NA	NA	NA			
ROLL OD ( Max.)	ASHKAL METHOD	N/A	MM	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm			
CORE ID	ASHKAL METHOD	N/A	MM	152/76	152/76	152/76	152/76	152/76	152/76	152/76	152/76	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 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:

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