

Ashkal EP20 - Easy peel lidding film PE to PP / PE to PE Applications - Food packaging: Nuts, Milk powder, Coffee and etc.



Ashkal EP20 is a PP/PE-based clear Polyethylene film designed to offer easy-peel function when used as sealing layer/lidding film on PP-based cups. The primary application of EP20 for use as lidding/sealing film for PP-based cups used food items like jelly cups/confectionery, dairy products. The principle is to provide a firm sealing to secure the contents which could be in liquid/semi-liquid form, along with an easy-peel function for the convenience of the customer/ user. Ashkal EP 20 achieves that by using a special polymer recipe and controlled processing conditions to achieve easy-peel functionality. This film is used as a replacement for high VOC (Volatile organic compounds) heat seal lacquer applied on Al foil for use in the conventional lidding substrate. PET/FOIL coated HS Lacquer. The replacement of lacquer offers the convertor a completely new supply chain partner. The use of Ashkal EP20 can offer up to 10-12% reduction in the cost of the laminate over PET/Foil HS Lacquer coated substrates, thus offering superior returns to the business.

Key Features / Advantages

- Lower risk of changing organoleptic properties of the contents: Maintains the designed taste and texture of the product.
- Securely maintains a hermetic seal environment: Reduces product oxidation and extends freshness.
- Increases productivity on packing lines: More production/hr/shift.
- Reduces overall costs of lidding materials used ~10-12% *(subject to conditions).

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 ³	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 ²	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/cm² -	140	170	180	200	210	220	240	260	260
		TD		120	180	160	190	200	210	220	240	250
ELONGATION @ BREAK	C 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								
COEFFICIENT OF FRICTION	ASTM D-1894	UNTREATED (F/F)	DYNAMIC	0.10 to 0.20								
DART IMPACT**	ISO 7765-1	FILM SURFACE	Gm.	> 2.0 g/µ								
SEAL STRENGTH	ASHKAL METHOD	NA	N/15MM	TAILORED LOW, MODERATE & HIGH ACCORDING TO END USE								
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.