

Preparation Date: 23.03.2022

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**STERILIZATION POUCH AND REEL (REGULAR / SELF SEAL - 60 gr)**

**PRODUCT CODE** : DSP ( Regular ) - KYSP ( Self Seal )

**PROPERTIES** : The product inside packaging, can be seen easily because of transparent, multi-layer co-polymer film  
High-resistant, strengthened, non-toxic film.  
High-barrier property first class medical craft paper in 60 gr/m2, 70 gr/m2 Can be easily closed with any kind of set-top closing device  
Easily Appropriate opening, to the non-tearing norms of with non-toxic indicated process opening indicators directionISO 11140  
In case of need, formaldehyde indicator can be applied.

**KYSP ( Self Seal )**

- Easy folding of closing strip by perforation.
- Doesn't need closing device.
- Adhesive strip with high adhesion for safe sealing.

**SPECIFICATIONS** :


Property	Unit				Method
Grammage	g/m <sup>2</sup>		60	68	On Line QCS
Tensile strength	N/15mm kN/m*	MD CD	100 6.7* 50 3.3*	115 7.7* 60 4.0*	ISO 1924-3
Wet Tensile strength	N/15mm kN/m*	MD CD	18 1.2* 9 0.6*	22 1.5* 12 0.8*	ISO 3781
Tear strength	mN	MD CD	590 660	650 750	ISO 1974
Burst strength	kPa		310	350	ISO 2758
Wet burst strength	kPa		55	60	ISO 3689
Porosity Bendtsen	ml/min		640	680	ISO 5636-3
Pore Size	µm		8	8	EN 868
Water absorbance Cobb 60s	g/m <sup>2</sup>	MG	18	18	ISO 535
Roughness	ml/min	MG RS	390 930	400 1000	ISO 8791-2
pH Aqueous hot extract	pH		6.5	6.5	ISO 6588
Water repellency	s	MG RS	25	27	EN 868
Seal strength	N/15mm	MD CD	6.0 4.0	7.0 5.0	PMP Method <sup>(1)</sup>

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LAMINATED FILM	PROPERTIES	UNIT	STANDARD	TYPICAL VALUE		
	THICKNESS	Micron	ASTM D 374	LAM.FILM	52 ± 5	
				PP	40 ± 5	
				PET	12 ± 2	
	COF	F/M	ASTM F 1894	0,30-0,35		
		M/M		0,35-0,40		
	THERMAL SEAL	°C	ASTM F 88	150 ± 5		
	TEAR	G MD TD	D1922	40 ± 5		
				50 ± 5		
	GLOSS	%	ASTMD 2457	150 ± 5		
 <p>FREE FROM</p> <ul style="list-style-type: none"> <li>- SOLVENTS</li> <li>- LEAD AND HEAVY METALS</li> <li>- TOXIC MATERIALS</li> </ul>						

POUCH	PROPERTIES	UNIT	STANDARD	TYPICAL VALUE		
	SEAL STRENGTH	cm	ASTM F 88	< 25	≥ 25	
		Edge Seal ( gr / 15 mm)		250 ≤	300 ≤	
	BUBBLE TEST		ASTM F2096-04	None		
	PINHOLE DETERMINATION		EN 868-5 Annex C	None		
	DIMENSION CONTROL	cm or mm	ASTM F2203-02	Desired dimensions		
	LEAKAGE TEST		ASTM F1929-98	None		
	PEEL DIRECTION		EN 868-5 Annex E	Must not break the particle		
	INDICATOR CONTROL		ISO 11140-1	Must return the specified color		

INDICATOR	STERILIZATION METHOD	BEFORE STERILIZATION	AFTER STERILIZATION
	STEAM	Pink	Brown / Black
	EO	Blue	Brown
	FORMALDEHYDE	Red	Green