

Market Bulletin:

Medical Packaging Papers



Monadnock manufactures Sterilizable Medical Packaging Papers for a wide variety of flexible packaging and testing applications in the healthcare market. These kraft and polymer-reinforced papers are designed to withstand rigorous processing requirements of packaging converters as well as sterilization processes (ETO, Steam Autoclave, Radiation) without degradation or loss of package integrity.

Paper substrates include Medical/Surgical Kraft, Reinforced Medical Kraft, Suture Stock, Medical Indexing and Coated Medical Lidding. Applications include paper-to-paper and paper-to-film flexible pouch constructions for OEM form fill and seal packaging as well as lidded rigid tray packaging systems creating microbial barriers for sterile medical devices.

Critical Properties

- *Breathability/Porosity Control facilitates the sterilization process*
- *Heat Stability to withstand processing and sterilization*
- *Wet Strength to withstand processing and sterilization*
- *Moisture Resistance for bacterial protection*
- *Fiber Free Lift/Peel to maintain the sterile aseptic presentation of the device*

Below is a representative sampling of medical packaging papers offered by Monadnock. Basis weight, fiber furnish, color and finish may be customized to meet your specifications. May be manufactured to Forest Stewardship Council standards upon request.

Product Matrix

Typical Properties	UOM	Medical Kraft		Reinforced Medical Kraft			Rigid Medical Kraft				Medical Index
		5131-044	5173-044	5159-053	5183-060	5178-060	5111-067	5111-120	5111-160	5111-195	5116-138
Basis Weight	lb/3000F ²	42	42	50	57	57	63	114	152	185	131
Caliper	mils	2.7	3.6	3.6	4.8	4.8	4.9	9.2	12.0	17.0	9.5
Apparent Density	basis wt/ mil	15.6	11.7	13.9	11.9	11.9	12.9	12.4	12.7	10.9	13.8
Gurley Air Resistance	sec/100cc	260	20	18	20	12	150	50	50	38	125
COBB	g/m ²	37	23	35	-30	30	23	23	23		30
Smoothness	SU	70	190	100	130	150	110	185	170	325	80
Tensile (Dry) MD/CD	lb/in	30/ –	40/24	35/20	27/17	27/17	35/ –		-90/ –		56/35
Tensile (Wet) MD	lb/in	0	12	10	-9	14	8	20	-20		
Tear MD/CD	gf	48/54	64/68	75/80	72/76	72/76	100/100	260/260	200/220		115/115
Brightness	TAPPI	90.5	86	84	85		89.5	89.5	89.5	98.5	85
Surface Treatment	None	Starch	Polymer	Polymer	Polymer	Size	Size	Size	Size	Size	Starch
pH		4.5	4.8	6.5	4.5	4.7	8.5	8.5	8.5	8.5	5.5

This information is presented in good faith for verification and corroboration by the prospective user. No warranty is implied or to be assumed.

Medical Packaging Papers may be customized to meet your specifications. Inquire at info@mpm.com.
 Monadnock papers are manufactured under strict requirements of ISO 9001:2008 Quality and ISO 14001:2004 Environmental Management Systems.
 Monadnock is an FSC® certified paper mill FSC C018866. The FSC label ensures responsible use of forest resources.