

Market Bulletin:

Medical Diagnostic Papers



Monadnock manufactures wood and cotton fiber paper substrates for medical diagnostic and sterilization assurance applications. These diagnostic indicator papers are appropriate for testing the presence/absence of chemical agents and can withstand sterilization processes such as Ethylene Oxide (ETO), Steam Autoclave and Radiation without degradation or loss of integrity.

Custom engineered for controlled pH, porosity and print receptivity, these clean white papers (without optical brighteners) have excellent formation and surface characteristics for accurate printing and accurate diagnostic readings.

Critical Properties

- Heat Stability to withstand processing and sterilization
- Wet Strength to withstand processing and sterilization
- Moisture Resistance for bacterial protection

Below is a representative sampling of medical diagnostic 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	Wood Fiber							Cotton	
		5116-138	5118-045	5610-227	5611-227	5613-195	5625-135	5625-195	9400-158	9400-195
Product Type		sized	sized internal/surface	blotter	blotter	blotter	blotter	blotter	sized	sized
Basis Weight	lb/3000f ²	131	43	215	215	185	128	189	150	185
Basis Weight	GSM	213	69	350	350	300	208	308	243	300
Caliper	mils	9.5	4.0	20	20	22.6	12.0	17.5	15.2	19.5
Caliper	mm	0.2413	0.102	0.495	0.508	0.559	0.3048	0.4445	0.389	0.47
Apparent Density	???	13.8	10.2	10.8	10.8	8.9	11.3	11.4	9.9	9.5
Gurley Air Resistance	sec/100cc	125	10	15	15	4.5	7.7	7.5	5.3	6.0
Smoothness	SU	80	275	270	270	N/A	260	285	330	375
Water Drop	seconds	240+	240+	1	2	N/A	N/A	N/A	240+	240+
Klemm Climb	1/16" / min	0	0	16	15	N/A	N/A	N/A	0	0
pH		5.5	7.5	7.5	5.8	6.0	7.0	7.0	8.5	8.0

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

Medical Diagnostic 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.