

Technical Characteristics

TO

ATT. Controle de Qualidade

DATE : 22/02/2019

Alkaline Paper

		Minimum	Target	Maximum		
Brightness Felt(S/F)	ISO	96,0	98,0		ISO-2470	N
Cobb (60 sec)	g/m ²		35,0	45,0	ISO-535	N
Grammage	g/m ²	67,2	70,0	72,8	ISO-536	N
Moisture	%	3,9	4,4	4,9	ISO-287	N
Opacity	%	85,0	87,0		ISO-2471	N
Porosity Gurley	s/100cc	7,0	10,0	14,0	TAPPI-460	N
Roughness (MP4) - F	ml/min	85,0	130,0	175,0	ISO-8791	N
Roughness (MP4) - W	ml/min	160,0	230,0	300,0	ISO-8791	N
Roughness Bendtsen W	mL/min	70,0	120,0	170,0	ISO-8791	N
Roughness Bendtsen-F	mL/min	150,0	240,0	320,0	ISO-8791	N
Thickness	mm	0,083	0,088	0,093	ISO-534	N
Whiteness Felt	D65 10°	158,0	161,0	164,0	ISO-11475	N

Sincerely

JOÃO CUSTODIO SANTOS

Quality Control

PAPER - PAPEL CHAMBRIL LASER 70.0

Shade

Conditioning of samples

Standard IPB

ISO 187/00

CED070 - Rev. 65 - STD

Technical Characteristics

TO

ATT. Controle de Qualidade

DATE : 22/02/2019

Alkaline Paper

		Minimum	Target	Maximum		
Brightness Felt(S/F)	ISO	96,0	98,0		ISO-2470	N
Cobb (60 sec)	g/m ²		35,0	45,0	ISO-535	N
Grammage	g/m ²	72,0	75,0	78,0	ISO-536	N
Moisture	%	3,9	4,4	4,9	ISO-287	N
Opacity	%	86,0	90,0		ISO-2471	N
Porosity Gurley	s/100cc	7,0	10,0	14,0	TAPPI-460	N
Roughness Bendtsen W	mL/min	80,0	140,0	200,0	ISO-8791	N
Roughness Bendtsen-F	mL/min	170,0	255,0	340,0	ISO-8791	N
Thickness	mm	0,092	0,097	0,102	ISO-534	N
Whiteness Felt	D65 10°	158,0	161,0	164,0	ISO-11475	N

Sincerely

JOÃO CUSTODIO SANTOS

Quality Control

PAPER - PAPEL CHAMBRIL LASER 75.0

Shade

Conditioning of samples

Standard IPB

ISO 187/00

CEE075 - Rev. 3 - STD

Technical Characteristics

TO

ATT. Controle de Qualidade

DATE : 22/02/2019

Alkaline Paper

		Minimum	Target	Maximum		
Brightness Felt(S/F)	ISO	96,0	98,0		ISO-2470	N
Cobb (60 sec)	g/m ²		35,0	45,0	ISO-535	N
Grammage	g/m ²	76,8	80,0	83,2	ISO-536	N
Moisture	%	3,9	4,4	4,9	ISO-287	N
Opacity	%	89,0	91,0		ISO-2471	N
Porosity Gurley	s/100cc	7,0	10,0	14,0	TAPPI-460	N
Roughness Bendtsen W	mL/min	80,0	140,0	200,0	ISO-8791	N
Roughness Bendtsen-F	mL/min	170,0	255,0	340,0	ISO-8791	N
Thickness	mm	0,097	0,103	0,109	ISO-534	N
Whiteness Felt	D65 10°	158,0	161,0	164,0	ISO-11475	N

Sincerely

JOÃO CUSTODIO SANTOS

Quality Control

PAPER - PAPEL CHAMBRIL LASER 80.0

Shade

Conditioning of samples

Standard IPB

ISO 187/00

CEE080 - Rev. 3 - STD

Technical Characteristics

TO

ATT. Controle de Qualidade

DATE : 22/02/2019

Alkaline Paper

		Minimum	Target	Maximum		
Brightness Felt(S/F)	ISO	96,0	98,0		ISO-2470	N
Cobb (60 sec)	g/m ²		35,0	45,0	ISO-535	N
Grammage	g/m ²	86,4	90,0	93,6	ISO-536	N
Moisture	%	3,9	4,4	4,9	ISO-287	N
Opacity	%	91,0	93,0		ISO-2471	N
Porosity Gurley	s/100cc	10,0	13,0	17,0	TAPPI-460	N
Roughness Bendtsen W	mL/min	100,0	150,0	200,0	ISO-8791	N
Roughness Bendtsen-F	mL/min	200,0	260,0	320,0	ISO-8791	N
Thickness	mm	0,109	0,115	0,121	ISO-534	N
Whiteness Felt	D65 10°	158,0	161,0	164,0	ISO-11475	N

Sincerely

JOÃO CUSTODIO SANTOS

Quality Control

PAPER - PAPEL CHAMBRIL LASER 90.0

Shade

Conditioning of samples

Standard IPB

ISO 187/00

CEE090 - Rev. 3 - STD