



ITC PAPERBOARDS & SPECIALTY PAPERS DIVISION

UNIT BOLLARAM



PRODUCT SPECIFICATION SHEET

Grade Name : INDOBARR 1PE
Grade Id : 1BR

Issued On: 23/08/2018
Last Reviewed On : 11/01/2019

SUBSTANCE (GSM) (Avg) QS/TM/55 Tappi T 410	CALIPER (µM) (Avg) QS/TM/06 Tappi T 411	CALIPER (Pts)	BENDING RESISTANCE (L&W) mN QS/TM/33 Tappi T 556			BENDING MOMENT (Taber 15°) mNm QS/TM/33 Tappi T 489			TABER STIFFNESS (Taber 15°) gf.cm Tappi T 489		
			MD	CD	GM	MD	CD	GM	MD	CD	GM
190+15	314	12.4	116	64	86	5.6	3.1	4.2	57	32	42
200+15	330	13.0	152	77	108	7.3	3.7	5.2	75	38	53
210+15	346	13.6	181	90	128	8.7	4.3	6.2	89	44	63
220+15	362	14.3	212	109	152	10.2	5.3	7.3	104	54	75
230+15	378	14.9	235	117	166	11.4	5.7	8.0	116	58	82
240+15	394	15.5	271	140	195	13.1	6.8	9.4	133	69	96
250+15	410	16.1	306	156	218	14.8	7.5	10.6	151	77	108
260+15	426	16.8	320	169	233	15.5	8.2	11.2	158	83	115
270+15	447	17.6	375	181	261	18.1	8.7	12.6	185	89	128
280+15	464	18.3	404	201	285	19.5	9.7	13.8	199	99	140
285+15	472	18.6	411	215	297	19.9	10.4	14.4	202	106	146
290+15	480	18.9	441	234	321	21.3	11.3	15.5	217	115	158
300+15	496	19.5	499	256	357	24.1	12.4	17.3	246	126	176
310+15	512	20.2	560	294	406	27.1	14.2	19.6	276	145	200
320+15	528	20.8	616	312	438	29.8	15.1	21.2	303	154	216
330+15	548	21.6	677	335	476	32.7	16.2	23.0	333	165	235
350+15	581	22.9	766	363	527	37.0	17.5	25.5	377	179	260
380+15	637	25.1	994	499	704	48.0	24.1	34.0	489	246	347
400+15	670	26.4	1113	557	787	53.8	26.9	38.0	548	274	388
450+15	753	29.6	1419	712	1005	68.6	34.4	48.6	699	351	495
TOL : ± 5%	± 5%	± 5%			-15%			-15%			-15%

PARAMETER	UNITS	VALUE
POLY SUBSTANCE(AVG) BACK	GSM	15±1.5
Mill Method		
POLY ADHESION STRENGTH(AVG)	POINTS	3 MIN
TAPPI T 539		
ROUGHNESS - BENDSTEN(AVG) TOP BACK	ml/min	50 (100MAX) 300 (500MAX)
ISO 8791-2		
SURFACE STRENGTH IGT Pick (Medium Viscosity) TOP	m/sec	0.7 MIN
ISO 3782 & 3783		
SURFACE TENSION BACK	Dynes/cm	38 MIN
Tappi T 698		
COBB (3MIN) FILLER LAYER	GSM	100MAX
Tappi T 441		
MOISTURE Tappi T 412	%	6.0 ± 1.0

MILL CERTIFICATIONS	
Manufacturing	ISO 9001: 2015, ISO 14001:2015, BRC Global Standard, Issue-5
Environmental & Safety	FSC® CoC, Light ECF, CII GreenCo Platinum, OHSAS 18001: 2007
FOOD CONTACT COMPLIANCE	
USFDA	CFR 21 176.170 CFR 21 176.180
REACH SVHCs	Article 57, EC1907/2006, ECHA
ROHS/BfR XXXVI	EC1907/2006 EU2015/863 RoHS-EU/65/2011
CALIFORNIA PROPOSITION 65	NOT REQUIRED
AfPS German Standards	AfPS GS 2014.01 PAK
QUALITY INFORMATION & SERVICE LABORATORIES	
NABL Accredited(Compliance to ISO 17025:2005)	

NOTE

- All Properties are according to ITC PSPD Measurements
- Test Climate 23°C ± 1 & 50% ± 2 RH
- Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples
- This product can be serviced with FSC Mix. Certificate Registration Code: SW CoC 004747 - B

CONSTRUCTION



KEY USAGE

FOOD & BEVERAGES	FMCG	LIQUOR PACKAGING	PHARMA
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Spec No : 1BR/CYX/CYD/PSPD/BOL/PE

Version No: 5