



JK PAPER LTD



Unit : CPM

PO: Central Pulp Mills, Tal : Fort Songadh , Dist : Tapi , Gujrat - 394660

Quality Test Certificate

Quality	JK TUFFPAC	INV.NO./ Date		
GSM	270	Customer Name		
Lot No	806056	Order Qty		
MA No		Reel/Sheet Size		
S.no	Parameter	Units	Spec	Values
1	Substance	g/m ²	270 ± 3 %	270
2	Caliper	Microns		426
3	Bulk	cc/gm		1.58
4	Taber Stiffness -MD	gm.cm		160
	CD			81
	GM			114
	Ratio			1.98
5	Cobb -TS	g/m ²	30 ± 5	29
	BS		35 ± 5	30
6	Plybond	J/m ²	>120	132
7	Roughness(PPS)	Microns	1.3 (max)	1.0
8	Gloss	%	45(min)	48
9	IGT Dry Pick MV	m/sec	1.2 (min)	1.35
10	Brightness	%	85 (min)	87.2
11	Whiteness		97 (min)	100.8
			Approved by	
			Name	
			Sign	

Note : All the given test Properties are checked at 50%RH and 23°C Temp.



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Quality Test Certificate

Quality	JK TUFFPAC	INV.NO./ Date		
GSM	290	Customer Name		
Lot No	806057	Order Qty		
MA No		Reel/Sheet Size		
S.no	Parameter	Units	Spec	Values
1	Substance	g/m ²	290 ± 3 %	292
2	Caliper	Microns		458
3	Bulk	cc/gm		1.57
4	Taber Stiffness -MD	gm.cm		196
	CD			96
	GM			137
	Ratio			2.04
5	Cobb -TS	g/m ²	30 ± 5	29
	BS		35 ± 5	30
6	Plybond	J/m ²	>120	178
7	Roughness(PPS)	Microns	1.3 (max)	0.9
8	Gloss	%	45(min)	49
9	IGT Dry Pick MV	m/sec	1.2 (min)	1.55
10	Brightness	%	85 (min)	87
11	Whiteness		97 (min)	99.9
			Approved by	
			Name	
			Sign	

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Quality	JK TUFFPAC	INV.NO./ Date		
GSM	300	Customer Name		
Lot No	806058	Order Qty		
MA No		Reel/Sheet Size		
S.no	Parameter	Units	Spec	Values
1	Substance	g/m ²	300 ± 3 %	301
2	Caliper	Microns		472
3	Bulk	cc/gm		1.57
4	Taber Stiffness -MD	gm.cm		218
	CD			112
	GM			156
	Ratio			1.95
5	Cobb -TS	g/m ²	30 ± 5	29
	BS		35 ± 5	32
6	Plybond	J/m ²	>120	179
7	Roughness(PPS)	Microns	1.3 (max)	1.0
8	Gloss	%	45(min)	48
9	IGT Dry Pick MV	m/sec	1.2 (min)	1.5
10	Brightness	%	85 (min)	86.3
11	Whiteness		97 (min)	99.9
			Approved by	
			Name	
			Sign	

Note : All the given test Properties are checked at 50%RH and 23°C Temp.



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Quality Test Certificate

Quality	JK TUFFPAC	INV.NO./ Date		
GSM	320	Customer Name		
Lot No	806059	Order Qty		
MA No		Reel/Sheet Size		
S.no	Parameter	Units	Spec	Values
1	Substance	g/m ²	320 ± 3 %	321
2	Caliper	Microns		511
3	Bulk	cc/gm		1.59
4	Taber Stiffness -MD	gm.cm		258
	CD			126
	GM			180
	Ratio			2.05
5	Cobb -TS	g/m ²	30 ± 5	27
	BS		35 ± 5	30
6	Plybond	J/m ²	>120	180
7	Roughness(PPS)	Microns	1.3 (max)	1.0
8	Gloss	%	45(min)	49
9	IGT Dry Pick MV	m/sec	1.2 (min)	1.52
10	Brightness	%	85 (min)	86.8
11	Whiteness		97 (min)	99.1
			Approved by	
			Name	
			Sign	

Note : All the given test Properties are checked at 50%RH and 23°C Temp.



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Quality Test Certificate

Quality	JK TUFFPAC	INV.NO./ Date		
GSM	350	Customer Name		
Lot No	806060	Order Qty		
MA No		Reel/Sheet Size		
S.no	Parameter	Units	Spec	Values
1	Substance	g/m ²	350 ± 3 %	350
2	Caliper	Microns		552
3	Bulk	cc/gm		1.58
4	Taber Stiffness -MD	gm.cm		325
	CD			170
	GM			235
	Ratio			1.91
5	Cobb -TS	g/m ²	30 ± 5	28
	BS		35 ± 5	30
6	Plybond	J/m ²	>120	190
7	Roughness(PPS)	Microns	1.3 (max)	1.0
8	Gloss	%	45(min)	49
9	IGT Dry Pick MV	m/sec	1.2 (min)	1.6
10	Brightness	%	85 (min)	86.3
11	Whiteness		97 (min)	98.7
			Approved by	
			Name	
			Sign	

Note : All the given test Properties are checked at 50%RH and 23°C Temp.