

	Universal Packaging Company (Pvt) Ltd		Effective Date
	Certificate Of Analysis		12.12.2022
	REC-QA-34-22		Rev:0
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Customer Name:	UNILEVER	Job Name:	REEL RIN WP RS 50
Job card #:	23080052	Structure:	PET (10μ) + M.LDPE (50μ)
Dispatched Date:	12-Aug-23	Production Date:	08-Aug-23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Vehicle Number:	JV-3412	Dispatch Quantity:	7031.56

S.NO	Parameters	Target	Min	Max	Test method	Unit	Results
1	Grammage	62.32	56.79	67.85	ISO 536	g/m ²	65.5
2	Reel Width	360	359	361	Internal	mm	360
3	Coef of Fr. Dynamic face\face	0.25	0.22	0.28	ASTM D1894	Number	0.23
4	Coef of Fr. Dynamic Reverse\Reverse	0.23	0.2	0.26	ASTM D1894	Number	0.22
5	Coef of Fr. Static face\face	0.23	0.2	0.26	ASTM D1894	Number	0.25
6	Coef of Fr. Static Reverse\Face	0.25	0.22	0.28	ASTM D1894	Number	0.27
7	Lamination Strength	1.25	1.1	-	F 904-98	N/15mm	1.65
8	Repeat Length	180	179	181	Internal	mm	180
9	Seal Strength	40	32	-	ASTM F88	N/15mm	35
10	Tensile Strength @ Break (CD)	48	44	-	ASTM D882	N/mm ²	48
11	Tensile Strength @ Break (MD)	37	32	-	ASTM D882	N/mm ²	35
12	Thickness	62.32	56.79	68.05	DIN 53370	μ	64

Remarks: Storage condition, Temperature should be below 30°C & 50% humidity.

Note: System generated document signature donot required.

Universal Packaging Company(pvt) Ltd. Plot No : GA-65-66-A4-A5, Korangi Creek National Industrial park, Korangi Town Karachi,Pakistan