

# Qingdao Tongli Packaging Products Co., Ltd

Add: #510, No.1 Building, Image Shidai Center, Zhengyang Road, Qingdao, Shandong, China P.C.:266109

Tel: 0086-532-89082296 Fax: 0086-532-66721158

## Test Report on Metallized paper 69g

Test Date	Jun 10, 2022		Paper	M1			Specification	69g			Plain
Items	Unit	Standard	1	2	3	4	5	Average Value	OK	Bad	
Gsm	g/m <sup>2</sup>	±4%	82.9	81.6	82.7	82.7	83.4	82.7	√		
Mirror Effect	45 Angle	Plain ≥400 Embossed ≥300	1024	1007	983	1010	933.8	991.6	√		
Tensile Strength MD Dry	N/15mm	≥50	58.3	60.2	61.3	62	59.7	60.3	√		
Tensile Strength TD Dry	N/15mm	≥30	41.2	40.1	41.7	44.3	40.6	41.6	√		
Tensile Strength MD Wet	N/15mm	≥15	21.3	22	23.1	21	21.6	21.8	√		
Tensile Strength TD Wet	N/15mm	≥10	17.7	18.6	16.9	18	17.9	17.8	√		
Water Warp	Sec	≥6	7	7	7	7	8	7.2	√		
Adhesion	Grade	1-2	1	1	1	1	1	1	√		
Moisture content	%	5±2	5.4	5.3	5.2	5.5	5.2	5.3	√		
Alkaline penetration	Sec	<120	71	69	68	67	70	69	√		
Elongation MD	%	<3	2.5	2.3	2.6	2.4	2.4	2.3	√		
Elongation TD	%	<3	1.72	1.78	1.76	1.8	1.7	1.75	√		
BackSide Water Absorbing 60s	g/m <sup>2</sup>	16±4	19.2	20	19.3	20.9	20.5	19.9	√		
Wetting Tension	dyn/cm	≥38dyn	/	/	/	/	/	38	√		

Review:

Inspect:

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