

TEST REPORT
6063 T5 Aluminum Extrusion Profile (Electrophoresis)

Test Standard: GB5237.1-2004 GB5237.3-2004

NO.	Test Item	Unit	Standard Value	Test Value	Conclusion	
1	Si	%	0.2~0.6	0.38	Qualified	
2	Mn	%	≤0.10	<0.001	Qualified	
3	Cr	%	≤0.10	<0.001	Qualified	
4	Cu	%	≤0.10	<0.001	Qualified	
5	Zn	%	≤0.10	0.01	Qualified	
6	Fe	%	≤0.35	0.11	Qualified	
7	Mg	%	0.45~0.9	0.60	Qualified	
8	Ti	%	≤0.10	0.01	Qualified	
9	R _m	MPa	≥160	240; 240	Qualified	
10	R _{P0.2}	MPa	≥110	220; 220	Qualified	
11	A ₅₀	%	≥8	8.5; 8.5	Qualified	
12	Composite Film Partial Thk.	μm	≥16	22~23; 25~26	Qualified	
13	Adhesion Grade	--	Grade 0	Grade 0	Qualified	
14	Alkali Resistance 16h	--	R≥Grade 9.5	Grade 10	Qualified	
15	Boiling Water Resistance	--	No change	Accord with	Qualified	
16	Size	1	mm	81.8±0.86	81.68~81.80	Qualified
		2	mm	30±0.3	29.88~29.94	Qualified
		3	mm	67.5±0.86	67.26~67.50	Qualified
17	Wall Thickness	mm	1.4±0.12	1.47~1.52	Qualified	
18	Plane Gap	--	GB5237.1-2004 5.4.3	Accord with	Qualified	
19	Camber	--	GB5237.1-2004 5.4.5	Accord with	Qualified	
20	Angle	--	GB5237.1-2004 5.4.2	Accord with	Qualified	
21	Twisting	--	GB5237.1-2004 5.4.6	Accord with	Qualified	
22	End Cutting	--	GB5237.1-2004 5.4.9	Accord with	Qualified	
23	End Deformation	--	GB5237.1-2004 5.6.3	Accord with	Qualified	
24	Apperance Quality	--	GB5237.2-2004 5.6	Accord with	Qualified	
25	Mark, Packing, Transportaion & Storage	--	GB5237.2-2004 8	Accord with	Qualified	

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