

TEST REPORT
6063 T5 Aluminum Extrusion Profile (Anodizing)

Test Standard: GB5237.1-2004 GB5237.2-2004

NO.	Test Item	Unit	Standard Value	Test Value	Conclusion	
1	Si	%	0.2~0.6	0.39	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	0.08	Qualified	
7	Mg	%	0.45~0.9	0.60	Qualified	
8	Ti	%	≤0.10	0.01	Qualified	
9	R _m	MPa	≥160	235; 235	Qualified	
10	R _{P0.2}	MPa	≥110	215; 215	Qualified	
11	A ₅₀	%	≥8	12.5; 10.5	Qualified	
12	Oxidation Film Average Thk.	μm	≥15	22; 22	Qualified	
13	Oxidation Film Partial Thk.	μm	≥8	21~23; 21~24	Qualified	
14	Oxidation Film Sealing Quality	mg/dm ²	≤30	24; 25	Qualified	
15	CASS test 16h	--	≥Grade 9	Grade 10	Qualified	
16	Size	1	mm	60±0.61	59.90~59.98	Qualified
		2	mm	65±0.61	64.73~64.96	Qualified
		3	mm	15±0.23	14.99~15.01	Qualified
		4	mm	6±0.45	5.89~5.94	Qualified
17	Wall Thickness	mm	2.5±0.25	2.41~2.48	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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