

ISO 8079:2025-05 (E)

Aerospace process - Anodic treatment of aluminium alloys - Sulfuric acid process, dyed coating

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Technical requirements	2
4.1	Materials to be anodized	2
4.2	Process requirements	2
4.3	Process details	2
4.3.1	General rule	2
4.3.2	Water quality	2
4.3.3	Racking of parts	2
4.3.4	Cleaning requirement	3
4.3.5	Deoxidizing	3
4.3.6	Anodizing procedure	3
4.3.7	Dyeing	3
4.3.8	Sealing	3
4.3.9	Drying	4
4.3.10	Rework	4
4.3.11	Temperature control	4
5	Quality assurance provisions	4
5.1	Responsibility for inspection	4
5.2	Lot acceptance tests	4
5.3	Process control tests	4
5.4	Process qualification tests	5
5.5	Solution control	5
5.5.1	Surface preparation and anodizing baths	5
5.5.2	Sealing bath	5
5.6	Inspection and testing of coatings	6
5.6.1	Visual examination	6
5.6.2	Coating mass per unit area	6
5.6.3	Thickness of coating	6
5.6.4	Corrosion resistance	6
5.6.5	Effectiveness of sealing	6
5.7	Approval	7
6	Packaging and delivery	7
6.1	Packaging	7
6.2	Delivery	7
Bibliography		8