

DIN EN ISO 20127:2025-11 (E)

Dentistry - Physical properties of powered toothbrushes (ISO 20127:2025)

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		2
4 Requirements		2
4.1 Physical inspection		2
4.2 Electrical safety		2
4.3 Tuft retention		3
4.4 Mechanical strength		3
4.5 Resistance to chemical degradation		3
4.6 Filament end-rounding		3
5 Sampling and pass-fail criteria		3
5.1 Sampling except for filament end-rounding		3
5.2 Pass-fail criteria except for filament end-rounding		3
5.3 Sampling and pass-fail criteria for filament end-rounding		3
6 Test methods		3
6.1 General test conditions		3
6.2 Visual inspection		4
6.3 Tactile inspection		4
6.4 Tuft retention		4
6.4.1 Apparatus		4
6.4.2 Procedure		4
6.5 Brush head plate retention		4
6.5.1 Apparatus		4
6.5.2 Procedure		5
6.6 Resistance to chemical degradation		5
6.6.1 Apparatus and chemicals		5
6.6.2 Procedure		6
6.7 Visual inspection for filament end-rounding		6
6.7.1 General		6
6.7.2 Apparatus		6
6.7.3 Procedure		6
7 Test report		7
8 Marking and labelling		8
8.1 Powered toothbrush components		8
8.2 Instructions for use		8
8.3 Marking and labelling		8
9 Packaging		8
Annex A (informative) Gripping device for tuft retention test		9
Annex B (informative) Gripping device for brush head plate retention test		11
Bibliography		19