

DIN EN ISO 11979-3:2006-07 (E)

Ophthalmic implants - Intraocular lenses - Part 3: Mechanical properties and test methods (ISO 11979-3:2006)

Contents	Page
Foreword	2
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements	5
4.1 General	5
4.2 Tolerances and dimensions	6
4.3 Clearance analysis	6
4.4 Compression force	6
4.5 Axial displacement in compression	7
4.6 Optic decentration	7
4.7 Optic tilt	7
4.8 Angle of contact	7
4.9 Compression force decay	7
4.10 Dynamic fatigue durability	7
4.11 Surgical manipulation	8
4.12 Surface and bulk homogeneity	8
5 Recovery of properties following simulated surgical manipulation	8
Annex A (normative) Measurement of compression force	9
Annex B (normative) Measurement of axial displacement in compression	13
Annex C (normative) Measurement of optic decentration	16
Annex D (normative) Measurement of optic tilt	19
Annex E (normative) Measurement of angle of contact	22
Annex F (normative) Testing of compression force decay	25
Annex G (normative) Testing of dynamic fatigue durability	26
Annex H (informative) Measurement of loop pull strength	28
Annex I (informative) Clearance analysis	30
Annex J (informative) Precision	33
Bibliography	34
ANNEX ZA (informative) A-deviations	35