

ISO 11979-3:2006-05 (E)

Ophthalmic implants - Intraocular lenses - Part 3: Mechanical properties and test methods

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	1
4.1 General	1
4.2 Tolerances and dimensions	2
4.3 Clearance analysis	2
4.4 Compression force	2
4.5 Axial displacement in compression	3
4.6 Optic decentration	3
4.7 Optic tilt	3
4.8 Angle of contact	3
4.9 Compression force decay	3
4.10 Dynamic fatigue durability	3
4.11 Surgical manipulation	4
4.12 Surface and bulk homogeneity	4
5 Recovery of properties following simulated surgical manipulation	4
Annex A (normative) Measurement of compression force	5
Annex B (normative) Measurement of axial displacement in compression	9
Annex C (normative) Measurement of optic decentration	12
Annex D (normative) Measurement of optic tilt	15
Annex E (normative) Measurement of angle of contact	18
Annex F (normative) Testing of compression force decay	21
Annex G (normative) Testing of dynamic fatigue durability	22
Annex H (informative) Measurement of loop pull strength	24
Annex I (informative) Clearance analysis	26
Annex J (informative) Precision	29
Bibliography	30