

TECHNICAL DATA

HI56 is available in Two-Side Finished (2SF) and One-Side Finished (1SF) disks. The 2SF option features fully moulded anterior and posterior optics, requiring only haptic milling, while the 1SF option provides a finished posterior optic with additional anterior material for customised optic generation. This flexibility supports advanced IOL designs, including toric, multifocal, trifocal, and EDOF lenses, while maintaining manufacturing efficiency.

Specifically formulated to fulfil modern-day demands for a hydrophobic intraocular lens material, HI56 offers a unique combination of high refractive index, tensile strength and flexibility, for small incision and fast unfolding time.

Please Note: Regulatory requirements and standards vary from country to country, and are constantly evolving. As a global company we want to be sure we provide you with detailed technical information, specific to your market, where appropriate, rather than using the condensed and simplified technical information on the website. If you need to use technical data for quality paperwork, or for a regulatory submission, please contact your account manager to obtain this precise and detailed information to support your regulatory requirements, we will be happy to help.

Material Characteristics

PROPERTY	HI56
Glass Transition Temperature (°C)	10.2
Water Content at 20°C by Weight (%)	≤1
Refractive Index at 21°C, 589nm	1.556
Refractive Index at 35°C, 589nm	1.552
Modulus - Elasticity (MPa)	2.70
Tensile Strength (MPa)	≥3.0
Elongation to Break (%)	≥170
10% Cut-Off Wavelength (nm)	378

Please note: Some values may have been rounded for presentation purposes. Please contact your account manager for further details.