

TECHNICAL DATA

HI56 is a fully-moulded semi-finished disc with a neutral aspheric fully-formed high quality optic, therefore requiring no lathing, only the milling of the haptic. In addition, HI56 requires no polishing, the ideal solution to low-cost/high volume hydrophobic IOLs.

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 ^{2SF}
Glass Transition Temperature (°C)	11.4
Water Content at 20°C by Weight (%)	<1
Refractive Index at 20°C, 589nm	1.557
Refractive Index at 35°C, 589nm	1.552
Modulus - Elasticity (MPa)	2.9
Tensile Strength (MPa)	4.0
Elongation to Break (%)	235
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.