

Benz HF-1.2 Universal Blank Hydrophobic

Specifications

Characteristics	Value	
Water Content	< 4%	
Optical Purity	> 99.98%	
Severity Index	< 1000	
Refractive Index	@589nm	@546nm
20°C Dry	1.485	1.487
35°C Dry	1.483	1.485
Transmission	< 10% @360nm	
Extractables	≤ 0.75%	
Share A Hardness	93 ± 2	

Options

Diopter Powers	12.5, 15.0, 17.5, 20.0, 22.5, 25.0, 27.5, and 30.0 D.
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Machining Recommendations

Benz Hydrophobic materials require cryogenic conditions for machining. Cryogenic temperatures can be easily achieved using commercially available freezing devices that can be attached to the spindle of lathes. Blanks are mounted on a special mandrel using moisture. The mandrel is cooled to at least -20° C using a vortex freeze station. Once the mandrel is cooled, it is placed in the collet that is fitted with a cryogenic unit. The surface of the blank must be maintained at -20° C or below.

Technical Drawings

Dimension of the blank and the amount of material available for producing a custom anterior surface.

