



### THE MATERIAL

**Irix Digital CA** is a **functional**, photosensitive material for DWS stereolithography 3D printers.

It reproduces the **typical mechanical** and **aesthetic** properties of **cellulose acetate** used mainly in the **eyewear industry**.

It is suitable for the production of frames and temples.

Samples made with **Irix Digital CA** are durable and smooth. On-demand coloring of the pigmented material is possible.

### IRIX SERIE

The **Irix series** includes all **aesthetically high-performing materials** suitable for direct printing of jewelry models and fashion accessories.

### COMPATIBLE 3D PRINTERS

**Irix Digital CA** was developed for **DWS 3D printers**:

- XFAB 3500PD
- DW 028XLHR
- DW 029XC, DW 029XCHR
- XPRO Q, XPRO QHR
- XPRO QL, XPRO QLHR

### FEATURES

- Smooth surfaces
- Good level of transparency
- High accuracy
- High resolution and precision
- Long life
- Possibility of surface coating and pigmentation

### TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Transparent
Viscosity	1000 ~ 2000 MPa•s a 25°C
Density	1,10 g/cm <sup>3</sup>

### IRIX DIGITAL CA - TECHNICAL CHARACTERISTICS AFTER UV CURING

Tensile Strength (MPa)	64
Tensile Modulus (MPa)	2370
Elongation at Break (%)	10
Flexural Strength (MPa)	106
Flexural Modulus (MPa)	2410
Notched IZOD (J/m)	57
Surface Hardness (Shore D)	87
HDT (°C) @0.45 MPa	69

Technical specifications are subject to change without notice.

### DWS srl

Via della Meccanica 21 - 36016 Thiene (VI) - Italy  
T: +39 0445 810810 - E: info@dwssystems.com - I: www.dwssystems.com

