

MATERIAL

# Irix Tungsten

Hardness and high surface quality



Designed and made by DWS

## Irix Series

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

### PRODUCT DESCRIPTION

Irix Tungsten is an advanced material used to create high-quality products, renowned for its hardness due to its high ceramic content.

The surface can be treated to achieve various finishes, such as a sandblasted matte texture or a glossy painted finish, while always maintaining a smooth, metal-like feel to the touch.



Smooth surfaces



Hardness



High resolution  
and surface quality



Metal-like feel  
to the touch

## Industries

Jewelry

Fashion Accessories

Eyewear

## Available colors

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**Name**

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Irix Tungsten Dark Grey

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Irix Tungsten White

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## Technical specs of the liquid material

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Viscosity	6500 mPa•s at 25°C
Density	1,75 g/cm <sup>3</sup>
Environmental values for use	22°C - 27°C - max, RH 40% - 60%

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## Technical specs after UV curing

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Irix Tungsten	Technical Data
Flexural Strength (MPa)	144
Flexural Modulus (MPa)	12650
Tensile Strength (MPa)	86
Tensile Modulus (MPa)	6060
Elongation (%)	3
HDT_1.8MPa (°C)	133

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Technical specifications are subject to change without notice. TDS\_TUNGSTEN\_EN / Rev.00 / 01-2025