

**3D**iakon<sup>™</sup> PMMA

3Diakon<sup>™</sup> PMMA or Poly(methyl methacrylate) is known as having excellent weathering and UV stability combined with excellent impact performance and stiffness. PMMA is characterized as a transparent polymer (more transparent after post processing) and it is reasonable easy to print.

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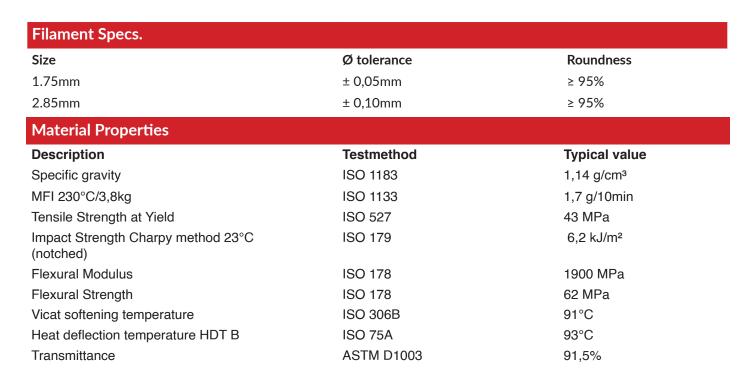
**3Diakon™** 

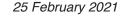
## **KEY FEATURES**

- Strong, lightweight and rigid material
- High impact resistant
- Good abrasion resistance
- Transparent and glossy after post processing (sanding)
- UV resistance
- BPA free

## COLOURS









Print Properties	
Description	Typical value
Nozzle Size	0.25mm
Bed Adhesion	Dimafix *
Nozzle Temperature	255±10°C
Bed Temperature	≥100°C
Layer Height	0.2mm
Print Speed	50 mm/s
Fan Speed	0%
Extrusion Multiplier / Material Flow	95%
Retraction Distance	4mm
Retraction Speed	25 mm/s
Difficulty to Print	Intermediate
Drying Required	6-12 hours 70-80°C suggested

\* Dimafix is used with a glass buildplate.

## **ADDITIONAL INFO**

We recommend to print large objects of 3Diakon<sup>™</sup> in heated chambers to create a nice and smooth printed object. Storage: Cool and dry (15-25°C), this enhances the shelf life significantly.