

# PLASTCure Absolute Aligner

MOVINGLIGHT® HIGH RESOLUTION  
LIQUID RESIN 3D PRINTERS

## ABSOLUTE Aligner

### The Difference is Clear.



#### A PORTFOLIO OF PREMIUM MATERIALS

Prodways' exclusive MOVINGLight® technology, based on photo-polymerization of liquid resin via moving DLP® projectors, is designed to work with premium acrylate and hybrid resins to deliver unequalled levels of precision and productivity for a large array of applications in industries such as dental, medical, aerospace, investment casting, molding, and R&D centers.

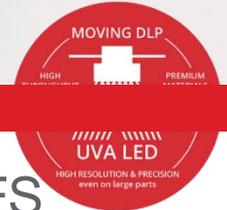
#### INNOVATION AND EXPERTISE

Prodways is constantly innovating to develop new materials with unique mechanical, physical, and aesthetic properties, supported by internal R&D teams at Prodways Materials as well as strategic partners.

Our experts also support customer research and innovation for the development of new materials to push MOVINGLight® 3D printing technology into new territories.

A REVOLUTIONARY NEW MATERIAL FOR THE INDUSTRIAL PRODUCTION OF CLEAR ALIGNER MODELS

PLASTCure Absolute Aligner : Absolute transparency - Absolute quality - Absolute optimization



## PLASTCure ABSOLUTE ALIGNER - KEY FEATURES

**Ultra Smooth Surface Finish** Achieve precise thermoforming results without sacrificing machine quality.

**Optimized For Scanning** Color specifically engineered for easy scannability to ease QC protocol.

**Outstanding Accuracy & Clarity** Helping you achieve superior and repeatable results with optimal clarity.

Thanks to its advanced formulation, Absolute Aligner has **NO sedimentation**, removing the need for frequent stirring and saving you time. Learn more about how this **revolutionary new material** can help you produce the **most transparent clear aligner** on the market.

## PLASTCure ABSOLUTE ALIGNER - SPECS

### ABSOLUTE ALIGNER LIQUID RESIN

 Appearance	Blue
 Compatible application	Aligner models
 Compatible machines	LD10 and LD20 Dental models
 Applicable layer thickness	[50 – 175] μm
 Viscosity	350 - 450 mPas at 28°C
 Density	1.08 g/cm <sup>3</sup>
 Flexural Modulus	[1900 – 2100] MPa
 Flexural Strength	[80 - 90] MPa
 Strain at Break	[6 – 9]%
 Hardness	[80 - 85] Shore D
 Tensile Modulus	[2200 - 2500] MPa
 Tensile Strength	[46 - 50] MPa
 Elongation at Break	[4 – 6]%
 Water Absorption	[1.3 – 1.5]%
 HDT	[66 - 70] °C at 0.46 MPa
 Recommended post-processing equipments	Spinner Aligner Cleaning station / PCU90 with Nitrogen or IPA cleaning solutions with PCU90

[www.gyrotec.com.cn](http://www.gyrotec.com.cn)

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