



MOVINGLight®
Liquid Resin



A PORTFOLIO OF PREMIUM MATERIALS

Prodways' exclusive MOVINGLight® technology is based on photo-polymerization of liquid resin via moving DLP® projectors. It is designed to work with premium acrylate and hybrid resins to deliver unequalled levels of precision and productivity.

It offers 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.



PLASTCure Absolute Aligner Key Features

A revolutionary new material
for the industrial production
of clear aligner models



ULTRA SMOOTH SURFACE FINISH

Achieve **precise thermoforming results** without sacrificing machine quality.



OUTSTANDING ACCURACY & CLARITY

Helping you achieve **superior and repeatable results** with optimal clarity.



OPTIMIZED FOR SCANNING

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



ADVANCED FORMULATION WITH NO SEDIMENTATION

Removing the need for frequent stirring and **saving you time**.

ABSOLUTE ALIGNER LIQUID RESIN SPECIFICATIONS

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