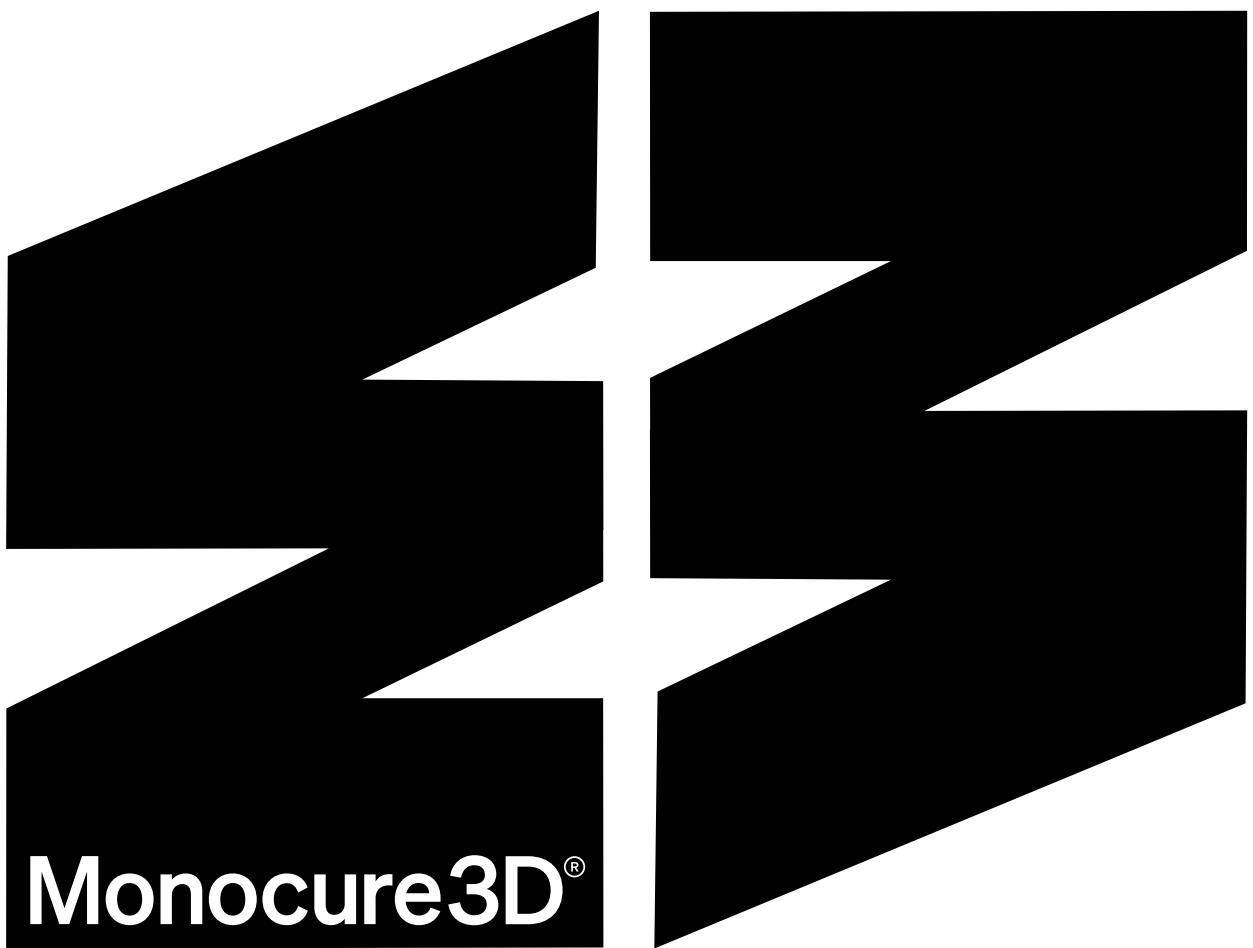


Monocure3D[®]

MANUFACTURER OF ADVANCED 3D PRINTING RESINS

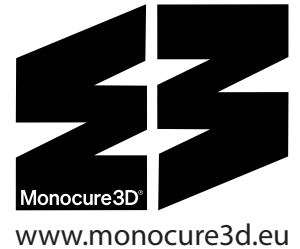


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Monocure3D®

MANUFACTURER OF ADVANCED 3D PRINTING RESINS

DENTAL RESINS



STUDY - Diagnostic & Planning Models



Colour - Grey

Reliable, high-quality resin for diagnostic models, orthodontic appliances, and prosthetic planning tools. Ideal for study casts, treatment planning, and patient education, it provides stable dimensions, fine surface detail, and a smooth, durable finish. Designed for everyday lab and clinical use, it ensures accurate results with minimal post-processing.

PRECISE+ - Precision & Performance



Colour - Almond

Features a latest-generation, odourless urethane formulation balancing toughness, hardness, and flexibility, improving on the original. Ideal for diagnostic, implant, orthodontic, crown and bridge models, plus prototypes. Enhanced pigment suspension reduces settling and remixing. Also suitable for vacuum-forming aligner models.

GINGIVA - Flexible for Soft Tissue Models



Colour - Pink

Specialised resin for printing gingiva sections in 3D dental models, available for MSLA and DLP printers. It offers high dimensional stability, a solid gum-pink colour, and balanced flexibility and hardness. Ideal for soft tissue components in precise models, bridges, implant superstructures, and crown and bridge projects.

THERMO - Thermoforming Heat-Resistant



Colour - Grey & Almond

High-performance resin for precision models requiring heat resistance up to 120°C. Ideal for pressure vacuum forming and demanding dental applications, it delivers smooth, detailed prints with easy release for post-processing. Compatible with MSLA and DLP printers, it offers accurate, reliable printing with adjustable 10–100 micron layers and a low-odour formula.

TRAY - Custom Impression Trays



Colour - Aqua

Durable resin for 3D printing custom impression trays. Designed for high-speed production, it maintains structural integrity under pressure to ensure accurate, consistent impressions. Its solid aqua colour provides clear visual contrast, helping clinicians easily identify tray details and improve procedural outcomes.

GUIDE - Surgical Guides



Colour - Clear

Specialised resin for producing precise, reliable surgical guides used in critical dental procedures. It offers excellent dimensional accuracy and biocompatibility, making it ideal for implant placement and other surgical interventions. Its strong heat resistance allows compatibility with most autoclave sterilisers, supporting optimal safety and hygiene.

SPLINT - Ultra Clear Night Guard



Colour - Clear

Biocompatible 3D printing resin for durable dental appliances, including occlusal splints, night guards, and bite plates. It provides excellent fracture resistance, precise fit, and long-term comfort with strong dimensional stability. Compatible with most MSLA and DLP printers, it produces a smooth, ultra-clear finish with minimal post-processing.

TRY-IN - Denture Try-Ins



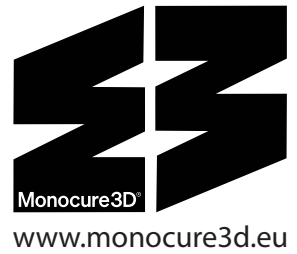
Colour - A1, A2, A3

Highly specialised resin designed to simplify and improve the creation of short-term trial dentures. It enables dental professionals to produce precise, aesthetically pleasing try-in dentures for patient evaluation during fittings. Its advanced formulation ensures accurate assessment of fit, occlusion, aesthetics, and phonetics.

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MANUFACTURER OF ADVANCED 3D PRINTING RESINS

INDUSTRIAL RESINS



PROTO - Precise, Rapid Results



Colour - Black, Shark Grey, Clear & White

Professional-grade resin for prototyping, optimized for MSLA printers with advanced LED technology. It delivers durable, detailed results, fast 1.5-second layer curing, and reliable performance. Easy to use, it's ideal for rapid production cycles and demanding precision projects.

PRO+ - Enhanced Performance



Colour - Black, Grey, Clear & White

PRO+ 3D printing resin enhances professional 3D printing with improved durability, precision, and ease of use. It produces tough, long-lasting models with minimal warping or shrinkage and consistent results. Compatible with MSLA and DLP printers, PRO+ is low-odour and reliable for high-quality, efficient printing.

BIORESIN - Low Odour 3D Printing



Colour - Grey & Almond

Designed for users sensitive to standard resins, reducing skin irritation, strong odours, and allergic reactions. Built on the trusted BIO resin, it combines professional-grade performance with enhanced user safety, making it ideal for sensitive users without compromising quality.

HEATRESIST - Thermal Performance



Colour - Black, Slate Grey, Clear & White

Delivers enhanced professional-grade thermal performance and durability, while resisting temperatures up to 150°C. It produces rigid, long-lasting prints with excellent dimensional stability and minimal warping, shrinking, or cracking. Compatible with MSLA and DLP printers, it is low-odour, and available in four colours for versatile high-heat applications.

TENSILE - Strength Without Compromise



Colour - Black, Shark Grey, Clear & White

Combines advanced urethanes and epoxies for exceptional tensile strength (86.7MPa) and durability. It balances detail, strength, flexibility, and a smooth, hard finish. Ideal for stress-resistant parts, functional prototypes, and demanding models, it can be machined, painted, or polished after post-curing for professional results.

IMPACT - Strength & Performance



Colour - Black, Slate Grey & Clear

Monocure3D IMPACT™ Resin is designed for 3D printing functional parts that endure high stress. With exceptional strength, durability, and impact resistance, it is ideal for industrial prototypes, functional models, and tools, delivering superior toughness and reliable performance in demanding environments.

MINI - Bring Miniatures to Life



Colour - Tan & Clear

Designed for highly detailed 3D prints, including miniatures, hobby models, dioramas, and collectibles. It delivers exceptional durability, superior impact resistance, and a flawless finish. Optimized for MSLA printers, it's ideal for hobbyists and professionals creating intricate tabletop gaming and custom terrain models.

FLEX60A - Precision & Flexibility

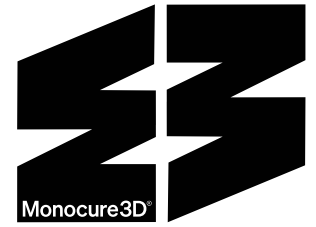


Colour - Black & Clear

Monocure3D Flex60A Flexible Resin offers rubber-like elasticity, durability, and precision. With over 166% elongation, prints retain their shape after stretching. This resin combines robust flexibility with long-lasting performance, making it ideal for applications that require both resilience and reliable 3D printing results.

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INDUSTRIAL RESINS

THERMACAST - Reusable Molds for Casting

Colour - Grey & Almond

ThermaCAST™ is a high-performance resin for 3D printing reusable moulds for metal casting. Compatible with most resin printers, it creates detailed, durable moulds for jewellery, scale models, custom parts, and industrial components. It streamlines casting, eliminating CNC, silicone, or sand methods, enabling precise metal parts with minimal equipment.



BURNAWAY - Investment Casting

Colour - Purple

BURNAWAY™ resin prints faster than traditional castable resins while maintaining high accuracy and surface detail. Ideal for small intricate pieces and large-format models, it overcomes shrinkage issues common in wax alternatives. Recognized for casting performance, detail, and ease of use, it's trusted by jewellers, engineers, and casting professionals.



MECHANICAL PROPERTIES

Resin Name	Colour	Ultimate Tensile Strength (MPa)	Elongation at Break (%)	Tensile Modulus (MPa)	Shore Hardness	Flexural Strength (MPa)	Flexural Modulus (MPa)	Impact (Notched Izod J/m)	Rebound Resilience (%)	Heat Deflection (°C @0.45 MPa)	Viscosity (cPs @25 °C)	Compatible with 385 & 405 nm	Additional Information	Comparable Thermoplastic
Pro+	Grey	55	8	1800	83D	65	1900	95	78	82	550	Yes	High strength low odour reformulated base for accuracy	ABS
Proto Rapid	Clear, Grey, Black, White	35	10	1500	80D	46	1200	110	70	75	400	Yes	Fast printing prototype resin with smooth surface	PP/ABS blend
Pro+	Clear, Grey, Black, White	45	5	1900	78D	70	1600	120	68	85	500	Yes	High-impact resin for jigs fixtures and housings	Nylon-12
Mini Resin	Trans, Tan	38	7	1800	80D	60	1700	90	70	75	500	Yes	Designed for miniature detail and accuracy	ABS-like
Tensile	Clear, Grey, Black, White	65	2.5	2600	82D	90	2200	105	63	88	650	Yes	High-performance engineering resin precision under load	Nylon-6/ABS
Impact	Black	46	25	1700	77D	65	1500	160	75	85	550	Yes	High-impact resin combining strength and flexibility for durable parts	ABS/PC blend
HeatResist	Clear, Grey, Black, White	40	3	3200	90D	100	2800	75	58	150	800	Yes	Excellent thermal and mechanical stability	Polycarbonate
Flex60A	Trans, Grey, Black, White	2.0	155	1.2	60A	-	-	22	72	70	800	Yes	Softer rubber-like resin for seals and dampers	TPU
ThermaCAST	Natural	32	3	2900	88D	110	2500	85	60	150	700	Yes	Heat-resistant resin withstands over 500°C in metal casting	PEEK
BurnAway	Purple	28	2	2400	87D	95	2100	80	55	65	600	Yes	Clean burnout with zero ash for investment casting	PMMA (wax-free)