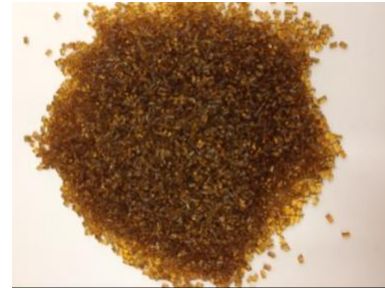


AquaSys 120 Water-Soluble Support for Additive Manufacturing

Introducing™ High-Performance Water-Soluble Support

AquaSys 120™ is a patent-pending water-soluble support that can be used in conjunction with engineering thermoplastics in additive manufacturing processes. The support material is made of non-toxic ingredients and can be easily removed by exposure to warm water.



FEATURE	ADVANTAGE	BENEFIT
Temperature Resistance	Stable with build chamber temperatures of up to 120 °C.	Compatible with several engineering thermoplastics including: PLA, CPE, ABS, Nylon 6.6, PC, PC/ABS, TPU, PP
Water Soluble	Rapidly dissolves in standard tap water at temperatures of 70-80 °C.	No additional chemicals or custom dissolution baths are required.
Adhesion	AquaSys®120 has excellent adhesion to a variety of build materials and build plates including PLA, CPE, Nylon 6.6, ABS, TPU, PC, PP	Allows the production of more uniform parts with fewer defects
Shrinkage	very low shrinkage	Support does not curl during printing
Shelf Life	If properly stored, AquaSys®120 does not pick up significant moisture	No unique handling or drying is required

PHYSICAL PROPERTIES

24 hour moisture absorption @ 50% RH and 25 °C	0.3 %
Specific Gravity	1.32 g/cm ³
Dissolution Rate @ 80 °C in water	15 min to dissolve 1cm cube
Typical printing conditions	220-245 °C extruder temperature RT-130 °C build plate temperature 80-120 °C chamber temperature

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MATERIAL SPECIFICATIONS

- Standard Product Forms: 3 mm pellet, 1.75 mm and 2.85 mm filament
- Color is natural amber color
- Intentionally formulated using environmentally safe materials
- Typical printing temperatures

GENERAL INSTALLATION, USAGE, AND CARE OVERVIEW

Storage and Preparation: Store AquaSys[®]120 in metallized foil packaging. Reseal after use. See MSDS/SDS for material handling.



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