



MAKERBOT

# ABS-R + RAPIDRINSE™

RELIABLE ABS AND FAST DISSOLVING SUPPORT MATERIAL

Print dimensionally accurate ABS parts with the ease of PLA. Print your parts with confidence in ABS-R and RapidRinse™, drop your part into tap water, and watch the supports dissolve to nothing in just minutes.

COMPATIBLE WITH

METHOD X

METHOD X  
CARBON FIBER EDITION

# MAKERBOT RAPIDRINSE™

## ABS, FINALLY AS EASY AS PLA

ABS is one of the most in-demand yet difficult materials to 3D print. METHOD X patented VECT™ 110 technology combined with proprietary RapidRinse™ support delivers incomparable ABS parts with unprecedented ease.

## TAP WATER SOLUBLE

Forget the cumbersome wash tanks and chemicals - RapidRinse™ dissolves in pure tap water so it's easy to use in just about any environment.

## DISSOLVES IN MINUTES

You don't have time to wait around while your print dissolves, so we've engineered RapidRinse™ to dissolve faster than PVA and competitive high-temp dissolvable support materials. There's really nothing that comes close.

## ABS-R

ABS-R is a new ABS formulation that provides superior printing reliability and performance with a 98% jam reduction for consistent, repeatable ABS prototypes, tools, and parts.

PROPERTIES	Test	ABS-R
Tensile Strength (MPa)	ASTM D648	41
Tensile Modulus (MPa)	ASTM D648	2400
Strain at Yield (%)	ASTM D648	2.3
Strain at Break (%)	ASTM D648	33.4
Flexural Strength (MPa)	ASTM D790	79
Flexural Modulus (MPa)	ASTM D790	2600
Izod Notched Impact Strength (J/m)	ASTM D256	129 – C/H
Izod Unnotched Impact Strength (J/m)	ASTM D256	970 - C
Heat Deflection Temperature – 64 psi (C)	ASTM 648	105
Heat Deflection Temperature – 264 psi (C)	ASTM 648	102

# METHOD X

**INDUSTRIAL 3D PRINTING MADE ACCESSIBLE**

Print manufacturing tools and production parts to spec with real manufacturing grade materials

Learn more at [makerbot.com/methodx](https://makerbot.com/methodx)

