

Materials List for:

Stereolithographic 3D Printing with Renewable Acrylates

Vincent S.D. Voet¹, Geraldine H.M. Schnelting¹, Jin Xu², Katja Loos², Rudy Folkersma¹, Jan Jager¹

¹Professorship Sustainable Polymers, NHL Stenden University of Applied Sciences

²Macromolecular Chemistry and New Polymeric Materials, Zernike Institute for Advanced Materials, University of Groningen

Correspondence to: Vincent S.D. Voet at vincent.voet@stenden.com

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Materials

Name	Company	Catalog Number	Comments
Isobornyl acrylate	Sartomer	SA5102	Acrylate monomer
1,10-decanediol diacrylate	Sartomer	SA5201	Acrylate monomer
Pentaerythritol tetraacrylate	Sartomer	SA5400	Acrylate monomer
Multifunctional epoxy acrylate	Sartomer	SA7101	Acrylate oligomer
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide (TPO), 97%	Sigma Aldrich	415952	Photoinitiator
2,5-bis(5- <i>tert</i> -butyl-benzoxazol-2-yl)thiophene (BBOT), 99%	Sigma Aldrich	223999	Optical absorber
Isopropyl alcohol (IPA), 99%	Bleko	1010500	For alcohol bath (applied in Form Wash)
Paar Physica MCR300	Anton Paar	-	Rheometer with parallel plate geometry
Form 2 Printer	Formlabs	-	Desktop SLA 3D printer
Form Wash	Formlabs	-	Washing station
Form Cure	Formlabs	-	UV oven
Instron 4301 1KN Series IX	Instron	-	Universal testing machine
Philips XL30 ESEM-FEG	Philips	-	Scanning electron microscope