## Semiautomated parallel RAFT copolymerization of isoprene with glycidyl methacrylate

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## **Supporting Information**

## Contents

1. Table S1

Table S1. Steps of the inertization and copolymerization reactions in the automated synthesizer

Step	Macro task	Task	Description	
1	Inertization of the reactors			
	1.1	Set drawer valve	Set reaction block state to closed under inert gas	
	1.2	Heat/cool	Thermostat on, pressure block (45 °C)	
Loop	1.3	Wait	Waiting for 5 minutes	
3	1.4	Set vacuum	Vacuum on (zone reactors)	
times	1.5	Set drawer valve	Set reaction block state to closed under	
			vacuum	
	1.6	Wait	Waiting for 1 minute	
	1.7	Set vacuum	Vacuum off (zone reactors)	
	1.8	Heat/cool	Thermostat on, pressure block (0 °C)	
	1.9	Set drawer valve	Set reaction block state to open under	
			inert gas	
	1.10	Wait	Waiting for 15 minutes	
2	Inertization of reaction solution			
Loop	2.1	Set drawer valve	Set the reaction block state to closed	
3			under pressure (1.1 MPa)	
times	2.2	Wait	Waiting for 20 seconds	

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	2.3	Set drawer valve	Set the reaction block state to open under inert gas
3	Polymerization react	tion	
	2.4	Set drawer valve	Set the reaction block state to closed
			under pressure (1.1 MPa)
		Heat/cool	Thermostat on, pressure block (115
			°C)
	2.5	Waiting for "reaction	
		time"	
	2.6	Heat/cool	Thermostat on, pressure block (20 °C)
	2.7	Set drawer valve	Set the reaction block state to open
			under inert gas
		Heat/cool	Thermostat off