



Building polymers for tomorrow's products.

At ATRP Solutions, we help our customers to increase the efficiency of research and development by designing and providing specialty polymers that meet their needs. We recognize the importance of well-defined polymeric materials for improving the performance of commercial products in the areas of personal care and cosmetics, detergents and surfactants, paints, pigments, coatings and biocompatible materials. As the world leader in atom transfer radical polymerization, our mission is to enable businesses to capitalize on this rapidly emerging technology. ATRP Solutions manufactures custom materials and shares knowledge to help in making tomorrow's commercial products.

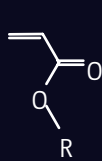


from left to right:  
Wojciech Jakubowski,  
James Spanswick,  
Krzysztof Matyjaszewski,  
Patrick McCarthy,  
Nicolay Tsarevsky

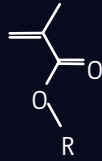
# Specialty Polymers

## BUILDING BLOCKS

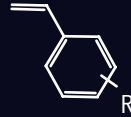
A wide variety of monomers to choose from makes designing and building polymers which are tailored to your application a reality. Our building blocks contain hydrophobic, hydrophilic, reactive, fluorescent, and ionic functionalities. We can use these building blocks to engineer polymers at the nano-scale.



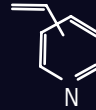
Acrylates



Methacrylates



Styrenes



Pyridines



Acrylonitrile

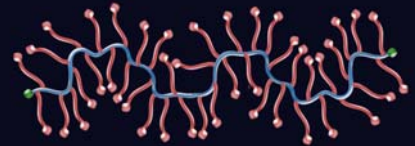
## ARCHITECTURES



Block copolymers



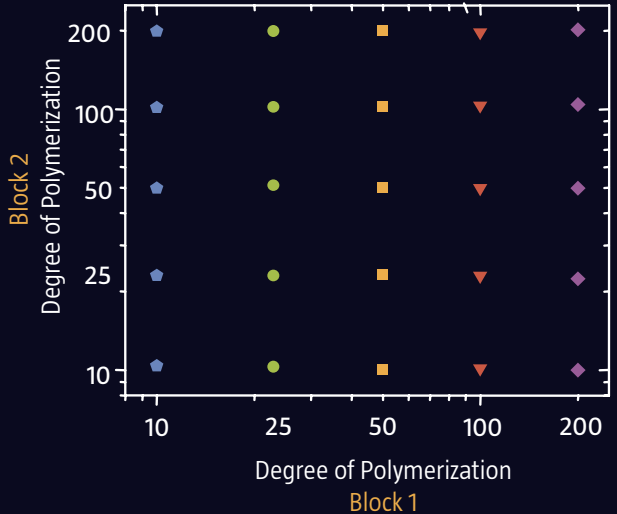
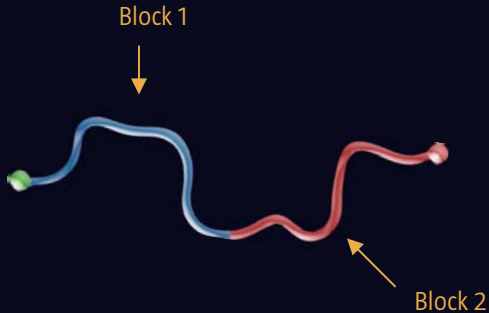
Star polymers



Brush polymers

# Systematic Libraries

Establish relationships between structure and performance. Each library contains samples where the degree of polymerization of each block is varied. These libraries allow you identify areas within the map which result in optimal product performance.



# Build your own polymer

Makes requesting materials easier.

Build your own polymer is a completely free service. Our website allows you to apply various parameters and compositions to design your own unique polymer. Once you submit your request, we will contact you with a cost estimate. If the parameters or the compositions do not satisfy your preference please contact us directly and we can work with you to determine the best way to make your material.

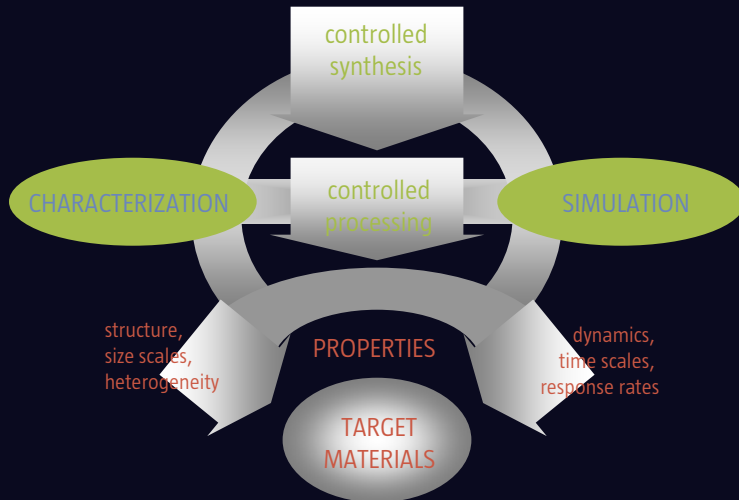
The screenshot shows the 'Build your own polymer' website interface. The main content area is titled 'DiBlock Linear Polymer' and features a colorful wavy graphic. Below the title, there is a link: 'Click to view a complete list of monomers'. The interface includes two monomer configuration sections, 'Monomer 1' and 'Monomer 2'. Each section has a 'Degree of Polymerization' dropdown menu, a 'Monomer Class' dropdown menu, and a 'Monomer Type' dropdown menu. There are also input fields for 'name:', 'email:', and 'phone:'. Surrounding the main interface are several callout boxes showing expanded dropdown menus:

- Degree of Polymerization (top left):** 25, 50, 100, 200 (selected), 400, 600, 800, 1,000, >1,000
- Degree of Polymerization (bottom left):** 25, 50 (selected), 100, 200, 400, 600, 800, 1,000, >1,000
- Category (top right):** Category, Acrylate, Acrylamide, Methacrylate (selected), Styrene, Misc
- Monomer Class (top right):** MMA (selected), MAA, DMAEMA, HEMA, MePEOnMA, NaMA, R-DMAEMA, EMA, 2-EHMA, tBuMA, BnMA, DDMA, ODMA
- Monomer Type (top right):** BnA (selected), HEA, MePEOnA, AA, NaA, MA, EA, BuA, 2-EHA, tBuA, BnA (selected), DDA, ODA
- Category (bottom right):** Category, Acrylate (selected), Acrylamide, Methacrylate, Styrene, Misc

Build the perfect polymer and we will synthesize it.

# Contract Research & Services

Work with a team of experts from ATRP Solutions to design, build and manufacture polymeric materials. Solve product performance problems or explore new territory. Engineer macromolecules or modify surfaces.



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