



# RADEL® PPSU PRECOLORS

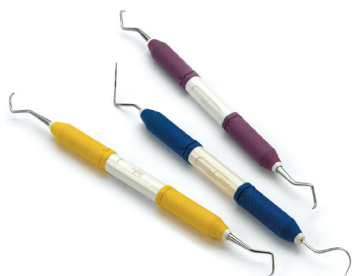
COLOR PRODUCT

## FEATURES

- Small production lots available starting at 110 lbs (50 kg)
- ISO 10993-1 Biocompatibility statement available for most colors
- Fixed formulation service available

## BENEFITS

- Select from a palette of standard colors or custom match to your specification
- Available from our global network of production sites 15 day lead times for color matches and production orders
- Range of radiopaque fillers available
- Sample sizes available



Information on RTP Company compounds is available on our website at [www.rtpcompany.com](http://www.rtpcompany.com)



## FOR AUTOCLAVE AND HIGH HEAT APPLICATIONS

Imagine being able to order small and medium-sized lots of precolored Radel® polyphenylsulfone (PPSU) and Udel® polysulfone (PSU) compounds and having them shipped quickly from any of RTP Company's worldwide facilities to anywhere around the globe.

Under a trademark agreement with the Solvay Specialty Polymers, RTP Company compounds industrial and medical grade precolored Radel® PPSU and Udel® PSU resins globally using the Solvay trademarks.

RTP Company has developed formulations to color Radel® resins for use in reusable medical devices, medical packaging, pharmaceutical applications, and disposable medical products. We offer a palette of standard colors as well as custom-colored products.

OEMs and processors developing medical devices can select from the standard colors or have RTP Company create a custom matched color. Radel® resins are also available with radiopacifiers, glass and carbon fiber reinforcements, internal lubricants, and conductive additives.

## SMALL LOT AVAILABILITY

Commercial production quantities of Radel® precolored PPSU compounds are available globally in small lot sizes starting at 110 lbs (50 kg) releases with an average of 15 day lead times. RTP Company has developed medical grade formulations to color Radel® resins for use in reusable medical devices, medical packaging, pharmaceutical applications and disposable medical products. We offer a palette of 12 standard colors as well as custom-colored products. Products made with our medical grade colorants are available with a Statement of Biocompatibility with testing performed for ISO 10993:

- Part 5 - Cytotoxicity
- Part 10 - Irritation and delayed type hypersensitivity
- Part 11 - Systemic toxicity

Note: The colorants on which RTP Company has performed biocompatibility testing were made using a proprietary base resin carrier system. The ISO 10993-1 biocompatibility testing was performed by NAMSA, an FDA GMP certified independent laboratory.

*Radel® and Udel® are registered trademarks of Solvay Specialty Polymers, LLC*



RTP Company Corporate Headquarters • 580 East Front Street • Winona, Minnesota 55987 USA website: [www.rtpcompany.com](http://www.rtpcompany.com) • email: [rtp@rtpcompany.com](mailto:rtp@rtpcompany.com)

TELEPHONE:

U.S.A.  
+1 507-454-6900

SOUTH AMERICA  
+55 11 4193-8772

MEXICO  
+52 81 8134-0403

EUROPE  
+33 380-253-000

SINGAPORE  
+65 6863-6580

CHINA  
+86 512-6283-8383

Wiman Corporation  
+1 320-259-2554

ESP™  
+1 800-432-2386



# RADEL® PPSU PRECOLORS

24

## CUSTOM COMPOUNDS

OEMs and processors developing medical devices can select from the standard colors or have RTP Company create a custom matched color. Radel® and Udel® resins are also available with radiopacifiers, glass and carbon fiber reinforcements, internal lubricants and conductive additives.

## SPEED TO MARKET

There is a race to speed product development, and the life cycle of new products is shrinking. You can win this race with color matched precolored resins and production quantity orders delivered in days from RTP Company.

- 15 working day turnaround for custom color matches
- 15 working day lead time for production orders
- Statement of ISO 10993-1 biocompatibility available upon request
- Change Management Services - You can request that your formulation be held in a fixed status, and not allow any changes to the formulation recipe without notification to you. Change controls help you protect your regulatory body approved medical devices testing. Formulation control must be requested at the time the color match is requested.













## RADEL® PPSU OVERVIEW

Radel® polyphenylsulfone is an incredibly tough and transparent thermoplastic that offers exceptional hydrolytic stability and excellent resistance to chemicals and environmental stress cracking. With a heat deflection temperature of 207 °C (405 °F), it can withstand more than 1,000 cycles of steam sterilization without any significant loss of properties. It is inherently flame retardant and offers good electrical properties.

Resin Grade	Melt Flow*	Description	Base Color
R-5000	17	General purpose injection and extrusion grade	Transparent
R-5100	17	General purpose injection and extrusion grade	Opaque
R-5500	15.5	Lower flow extrusion grade	Opaque & Transparent
R-5800	25	Higher flow extrusion grade	Transparent

\*Melt Flow at 689 °F (365 °C), 5.0 kg, g/10 min

## RADEL® PPSU STANDARD PRECOLORS:

Color	Product Description	Color	Product Description
	EMD-32976 RADEL R-5100 NATURAL (Solvay NT15)		EMD-481125 RADEL R-5100 ORANGE (Solvay OR1145)
	EMD-888400 RADEL R-5100 LT GRAY (Solvay GY1137)		EMD-43798 RADEL R-5100 YELLOW (Solvay YL1337)
	EMD-888401 RADEL R-5100 MED GRAY (Solvay GY1037)		EMD-66642 RADEL R-5100 GREEN (Solvay GN1007)
	EMD-888402 RADEL R-5100 DK GRAY (Solvay GY874)		EMD-703433 RADEL R-5100 BLUE (Solvay BU1027)
	EMD-803494 RADEL R-5100 BLACK (Solvay BK937)		EMD-780734 RADEL R-5100 VIOLET (Solvay VT2582)
	EMD-55752 RADEL R-5100 RED (Solvay RD1018)		EMD-900214 RADEL R-5100 BROWN (Solvay BN1164)



## RTP COMPANY: YOUR GLOBAL COMPOUNDER OF CUSTOM ENGINEERED THERMOPLASTICS

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