Arclin®
Performance Applied

P³C™ Phenol-Resorcinol-Formaldehyde (PRF) Sol Gel Resin

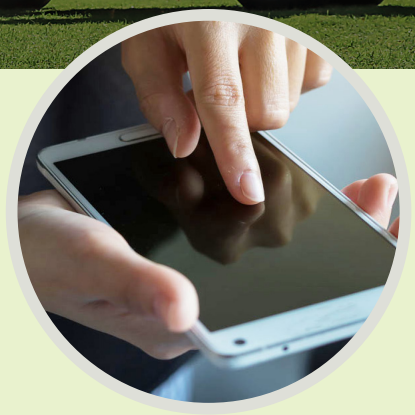
P³C™-Carbon Purity, Performance & Power

Leveraging its expertise in formaldehyde-based polymer chemistries, Arclin introduces a phenol-resorcinol-formaldehyde (PRF) sol gel resin for use in energy storage. P³C™ Sol Gel Resin is a semi-processed, synthetic resin that can be converted to a nanocarbon structured material. This purified carbon is used in energy storage to power a wide range of products from catalytic converters, forklifts and golf carts to cameras and tablets.

P³C's uniquely enhanced polymer structure enables the product to be converted and tailored to specific pore size distribution, total pore volume, specific surfaces area and other electrochemical properties. It reduces processing necessary to final carbon, features low metallic impurity levels and significantly improves carbon yield. And P³C doesn't need to be decanted or freeze dried before pyrolysis and activation.

Typical Properties PRF Sol Gel Resin:

Properties	Arclin's P³C™
Appearance	Orange Sol Gel Resin
pH	3-4
% Yield	54 - 50%
% Non-Volatile	57 - 62%
% Free Formaldehyde	< 1.5%
% Free Acetic Acid	< 5.0%



Ingredients of Innovation.

Arclin has mastered the art of combining technological advances to develop creative solutions. P³C™ Phenol-Resorcinol-Formaldehyde (PRF) Sol Gel Resin is just one example of how Arclin combines the ingredients of technology to drive innovation.