



# DuPont™ AmberLite™ PSR2 Plus Ion Exchange Resin

Drinking water-grade, uniform particle size, gel, strong base anion resin for selective removal of per- and polyfluoroalkyl substances (PFAS) and perchlorate from potable water

## Key Features

- High affinity for a variety of PFAS
- Exceptional selectivity for perchlorate
- High operating capacity and lower pressure losses compared to conventional resins
- Certified to NSF/ANSI/NSF/CAN Standard 61 for drinking water contact
- Manufactured in the USA

## Key Applications

- Potable water treatment
- PFAS removal
- Perchlorate removal

## Typical Properties

### Physical Properties

Copolymer	Styrene - divinylbenzene
Matrix	Gel
Type	Strong base anion
Physical Form	White to yellow, translucent spherical beads
Density (shipping wt)	690 g/L

### Stability

Whole Uncracked Beads	≥ 95%
Friability 200 g/bead	≥ 90%

### Chemical Properties

Functional Group	Quaternary amine
Ionic form as shipped	Cl <sup>-</sup>
Total exchange capacity	≥ 0.7 eq/L
Water Retention capacity	25 – 35%

### Particle Size

Particle Diameter	700 ± 50 µm
Uniformity Coefficient	≤ 1.1
< 300 µm	≤ 1%

## Suggested Operating Conditions

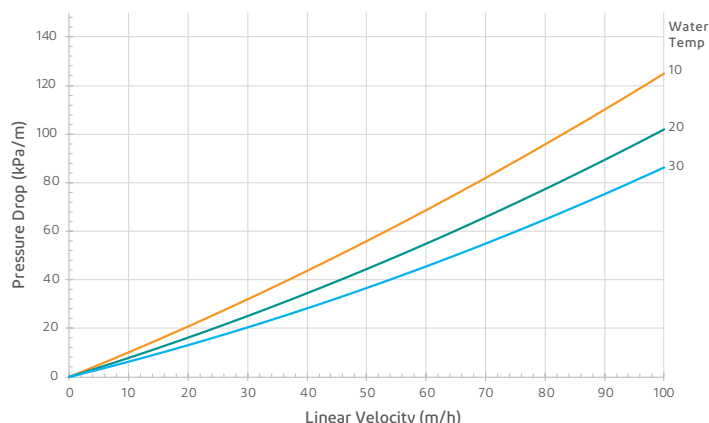
### General

Maximum Recommended Operating Temperature	60°C (140°F)
pH Range	0 – 14

### Details

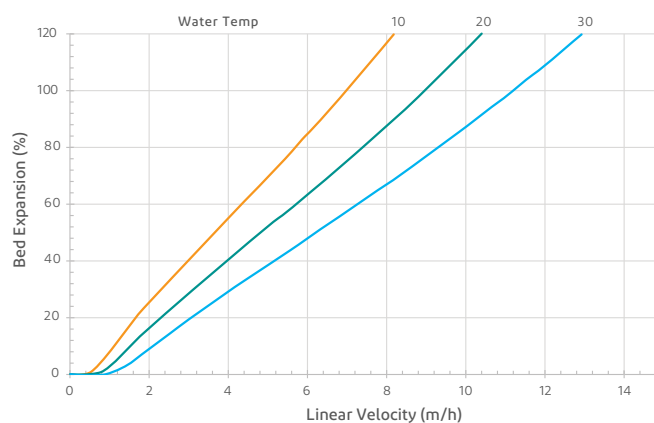
**Figure 1: Pressure Drop**

Temperature = 10 – 30°C (50 - 86°F)



**Figure 2: Bed Expansion**

Temperature = 10 – 30°C (50 - 86°F)



## Conditioning and Limits of Use

AmberLite™ PSR2 Plus Ion Exchange Resin is suitable for use in potable water applications<sup>1</sup> after an initial commissioning pretreatment at ambient temperature.

<sup>1</sup> Please confirm the regulatory approval / requirements in your specific country of use.

## Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including safety data sheets, should be consulted prior to use of DuPont products. Current safety data sheets are available from DuPont.

**WARNING:** Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

## Product Stewardship

DuPont has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products, and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each individual involved with DuPont products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Regulatory Notes

- Product is certified by Water Quality Association (WQA) to comply with NSF/ANSI/CAN Standard 61 for drinking water contact. Conditions of certification are provided on the WQA website.
- Contact us for statements related to the Build America Buy America Act (BABAA).
- Contact us for any additional regulatory inquiries.



Have a question? Contact us at:  
[dupont.com/water/contact-us](https://www.dupont.com/water/contact-us)

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