

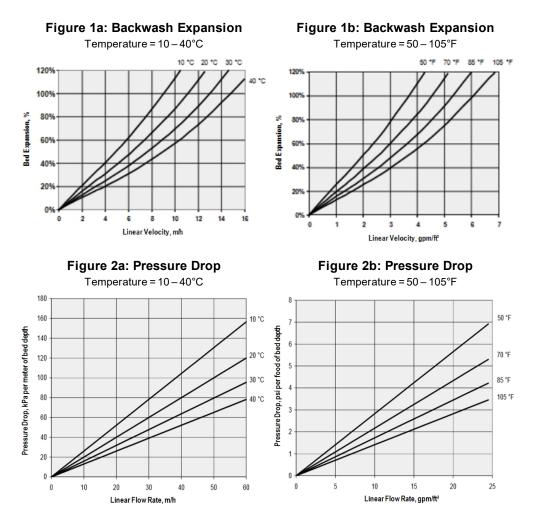
Product Data Sheet

	DuPont[™] AmberLite[™] P Drinking Water-grade Resin for Sele	WA7 Ion Exchange Resin active Chromate Removal
Description	DuPont [™] AmberLite [™] PWA7 Ion Exchange Resin is a weak base cation designed for the removal of chromate from drinking water. Its high capacity makes AmberLite [™] PWA7 the perfect choice for a simple, once-through, chromate removal process for municipal water treatment systems.	
Applications	Selective chromate removal in a non-regenerable system	
Typical Properties	Physical Properties	
	Copolymer	Styrene-divinylbenzene
	Matrix	Macroporous
	Туре	Weak base anion
	Functional Group	Tertiary amine
	Physical Form	Cream colored granules
	Chemical Properties	
	Ionic Form as Shipped	Free base
	Total Exchange Capacity	≥ 1.9 eq/L
	Water Retention Capacity	58-68%
	Particle Size [§]	
	Particle Diameter	0.3 – 1.2 mm
	< 300 µm	3% max
	> 1180 µm	5% max
	Density	
	Shipping Weight	610 g/L
	[§] For additional particle size information, please refer to the <u>Particle Size Distribution Cross Reference Chart</u> (Form No. 45-D00954-en).	
Suggested	Maximum Operating Temperature	40°C (104°F)
Operating	pH Range	· · · · · · · · · · · · · · · · · · ·
Conditions	Service Cycle	<6.5
	Stable	0-14

Hydraulic Characteristics

Estimated bed expansion of DuPont[™] AmberLite[™] PWA7 Ion Exchange Resin as a function of backwash flowrate and temperature is shown in Figure 1a and Figure 1b.

Estimated pressure drop for AmberLite[™] PWA7 as a function of service flowrate and temperature is shown in Figure 2a and Figure 2b. These pressure drop expectations are valid at the start of the service run with clean water and a well-classified bed.



Conditioning and Limits of Use

AmberLite[™] PWA7 Ion Exchange Resin is suitable for use in potable water applications ¹ after an initial commissioning up-flow rinse of 20 bed volumes of water at ambient temperature at the service flowrate.

The operating capacity of AmberLite[™] PWA7 resin depends on the operating conditions and the feedwater conditions.

¹ Please confirm the regulatory approval in your specific country of use.

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	 Please be aware of the following: 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.
Regulatory Note	This product may be subject to drinking water application restrictions in some countries; please check the application status before use and sale.

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