Preliminary Product Data Sheet
Glycol Coolant Purification

DuPont™ AmberLite™ EV2X Resin

Gel, Ion Exchange Resin

Key Features

- Translucent insoluble beads
- Optimized to purify glycol-coolant with minimal additive uptake Enhanced thermal stability leveraging DuPont's patented resin technology
- Retains excellent operating capacity over 500 hrs

Key Applications

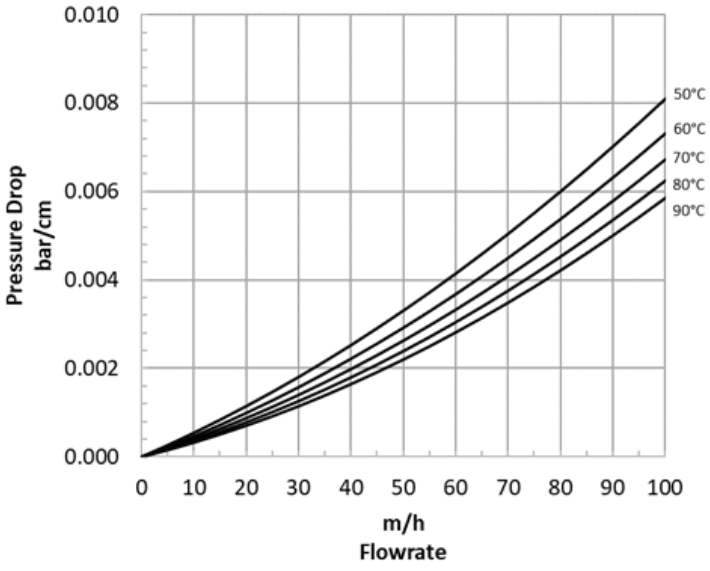
- Battery coolant purification
- Fuel Cell coolant purification
- Electric vehicle recharging station coolant purification
- Designed for light & heavy-duty vehicles
- For conductivity levels < 3 µS/cm
- For temperatures up to 105 °C

Typical Properties

Physical Properties	
Copolymer	Styrene-divinylbenzene
Matrix	Gel
Physical Form	Translucent, spherical beads
Cation/Anion Mixture	
Particle diameter	600 – 750 µm
Fines	< 300 µm < 1%
Metal content Fe	< 50 ppm/kg
Metal content Cu	< 10 ppm/kg
Heavy metals	< 10 ppm/kg
Swelling (HGa)	2.5%
Shipping Weight	755 g/L

Suggested Operating Conditions

Maximum Peak Load FC Stack	105°C
pH Range (Stable)	1 – 14
Installed Total Capacity (min)	1000 meq/liter
Typical Total Capacity Utilization Factor (90°C)	> 90% (at 1000 hrs)
Typical Thermal Degradation Factor (90°C)	> 90% (at 1000 hrs)
Typical Loss of strong base functionality (90°C)	< 7% (at 1000 hrs)
Operational capacity estimate per liter of mixed bed resin	1000 x 0.9 x 0.9 x 0.93 meq



General Information

- For additional information about AmberLite™ EV2X resin storage and handling, please refer to the Resin Storage Conditions (Form No. 45-D01093-en)

Important Information

- AmberLite™ EV2X resin is a high purity polymeric. To avoid contamination, it needs to be stored and handled according to the DuPont operational guidelines.
- **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.

Have a question? Contact us at:
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