

**•Descriptions**

Seplife® EMC1020 is a cross-linked styrene/DVB carrier with none functional groups and has the appearance of white spherical beads. The resin has a highly porous structure combined with a very high surface area which is ideal for immobilization of enzymes. It is used for enzyme immobilization by adsorption (hydrophobic interaction).The great advantage of immobilization by adsorption is the very high enzyme activity, the applicability of water free systems and the very simple immobilization method. The resin is mechanically very strong and can be used in either stirred tank or bed reactor. The resin ensures extremely high mechanical stability thus allowing the possibility to reuse the immobilized enzyme for many cycles.

**•Physical and Chemical Characteristics**

Matrix	Styrene/DVB
Appearance	White to off white beads
Functional group	None
Moisture content (%)	45-55
Shipping weight (g/ml)	0.65-0.75
Particle size (µm)	300-900
Pore size (Å)	500-1000
Chemical stability	The resin is insoluble in water, acid, alkali and methanol, ethanol, acetone, toluene, n-heptane, DMSO and other organic solvents.

**•Key features and Benefits**

- Easy immobilization through adsorption
- Good physical and chemical stability
- Long lifetime

**•Recommended Storage Conditions**

Recommended temperature of storage (°C)	2-20
Shelf life	3 years

**•Precautions**

Resins should be stored in sealed containers or bags where temperature was 2-20°C in dry conditions without exposure to direct sunlight.

Do not mix ion exchange resin with strong oxidizing agents; otherwise, it will cause violent reactions.

In case of eyes contact with resins, rinse eyes immediately with plenty of water, and consult a specialist.

Material and samples must be disposed according to local regulations.

Dry polymers will expand when become wetted and may cause an exothermic reaction.

Spilled materials on the floor can cause slippery conditions.

**Ordering Information**

Product Name	Reference number	Packing size
Seplife® EMC1020	PS005M01	500g
	PS005M02	1kg
	PS005M03	5kg
	PS005M04	10kg
	PS005M05	25kg

·SUNRESIN® and Seplife® are registered trademarks of Sunresin New Materials Co. Ltd.

·For more information about SEPLIFE® resins, please contact SUNRESIN® directly.

