HENTOL CHEMICAL

Hentol Chemical is a leading global supplier of expandable polystyrene (EPS) raw materials, specializing in high-performance resins and additives for packaging, construction insulation, and consumer goods. Renowned for eco-friendly solutions, the company produces lightweight, durable EPS with excellent thermal insulation and moisture resistance, supporting sustainable industries.

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HENTOL CHEMICAL

Expandable Polystyrene Raw Beads

BROCHURE

2025

Innovating EPS, Building a Sustainable Future

HENTOL CHEMICAL

Expandable Polystyrene
Raw Material
Supplier

TABLE OF CONTEST

OUR COMPANY

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We had professional team working on the EPS raw materials supplying chain.

Adopt high quality raw material to produce the stable eps raw beads.

Delivery on-time, will ship the beads according to customer's request.

Yearly increasing export materials, helps understand what our clients need.

Could track your goods and containers by contact us freely.

Feel free to reach out in any time, we could provide 7 x 24 services.

We do supply high quality EPS Raw Material, but also we supply high quality EPS Machinery, such as EPS pre-expander, EPS Block Moulding Machine, EPS Shape Moulding Machine, EPS Cutting Machine and EPS Packing Machine.

WE HAVE CLIENTS OVER THE WORLD

INNOVATION

With advanced facilities and R&D expertise, Hentol ensures product customization and consistent quality while prioritizing recyclable materials and energy-efficient processes. Its commitment to innovation, sustainability, and customer partnerships cements its role as a trusted leader in the EPS sector, delivering cost-effective, reliable solutions worldwide.

APPLICATIONS

High magnification, easy to store, good comprehensiveness and good smoothness. Suitable for traditional machines and automatic vacuum forming machines to make electrical packaging, plates, handicrafts, boxes and containers.

WHAT'S EPS?

EPS is a lightweight, rigid plastic foam material derived from polystyrene, a petroleum-based polymer. It is widely used in packaging, construction, and insulation due to its versatility, thermal insulation properties, and cost-effectiveness.

Lightweight

EPS beads have a very low density, with some sources indicating a density of less than 33 kg/m3. This makes them lightweight and easy to handle, especially when used as an aggregate or in construction applications.

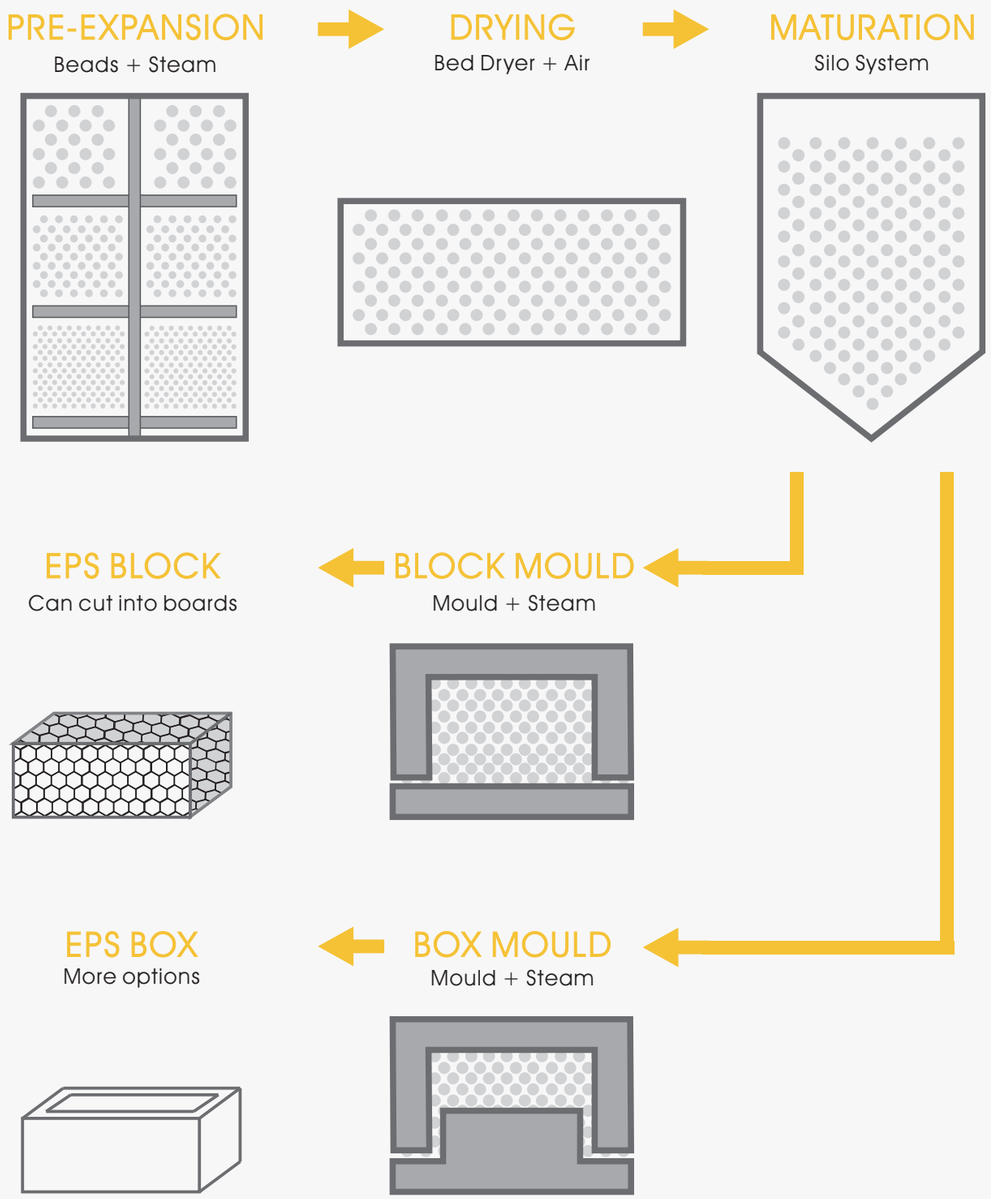
Insulation

The low density and closed-cell structure contribute to excellent thermal insulation properties, making them effective in reducing heat transfer and improving energy efficiency in buildings.

Protection

The structure of EPS beads provides excellent shock absorption,used as lightweight, cushioning packaging material to protect fragile items like electronics and appliances during transport and storage.

HOW EPS BEADS WORK?



SPECIFICATION

Classification	Spec.	Diam. Range(mm)	Times	Density (g/L)	Blowing Agent(%)	Residual SM(ppm)	Moisture(%)	Coating Agent(ppm)	Oxygen Index.(%)
General Grade	E-301	1.00-1.60	70-85	12-14	6.5-7.2	⩽4000	⩽1.0%	⩽3200	N.A.
	E-302	0.85-1.25	60-70	14-16					
	E-303	0.70-0.90	55-65	15-18					
	E-401	0.50-0.80	40-55	18-25					
	E-501	0.40-0.60	30-40	25-30					
Multiple-Times Grade	P-301	1.00-1.60	75-90	11-13	6.5-7.5	⩽5000	⩽1.0%	⩽3200	N.A.
	P-302	0.85-1.25	65-75	13-15					
	P-303	0.70-0.90	55-70	14-18					
	P-401	0.50-0.80	45-55	18-20					
	P-501	0.40-0.60	40-50	20-25					
Flame Retardant Grade	F-301	1.00-1.60	70-85	12-14	6.2-7.3	⩽2000	⩽2.0%	⩽3200	⩾30
	F-302	0.85-1.25	60-70	14-16					
	F-303	0.70-0.90	55-65	15-18					
	F-401	0.50-0.80	40-50	18-25					
	F-501	0.40-0.60	30-45	25-30					
Instant Grade	B-301	1.00-1.60	55-70	14-18	5.5-6.8	⩽2000	⩽1.0%	⩽3200	N.A.
	B-302	0.85-1.25	50-60	16-20					
	B-303	0.70-0.90	40-55	18-25					
	B-401	0.50-0.80	35-45	22-30					
	B-501	0.40-0.60	30-40	25-35					

APPLICATIONS