

NexTherm

NexTherm's lineup of Graphite Expanded Polystyrene (GPS) resins by NexKemia marks a notable progression in insulation technology. By integrating specially selected graphite into their formulation, these products offer an enhanced R-Value, showing an increase of up to 20% when compared to traditional white Expanded Polystyrene (EPS).

Utilizing cutting-edge extrusion processes, NexKemia has engineered two distinct series: the RT series (regular grades) and the MT series (modified grades), both offering improved insulating properties. These innovative products cater to a broad spectrum of uses, including construction and packaging, ensuring they meet diverse industry requirements while maintaining high performance and adherence to regulatory standards.



Graphite Expandable Polystyrene (GPS)

NexKemia's GPS Products	Typical Pentane Content (%wt)	Unexpanded Bead Size Distribution (mm)	Recommended Pre-Expanded Density Range (pcf)	Contains Flame Retardant	FDA Compliant	Block Molding	Shape Molding	Loose filling	Focus Applications						
									ICF	Geofoam	Coolers	Food and Fish Shippers	High Strength Packaging	Designed for Color	Flotation
Graphite Modified Grades															
MT55L	5.5	0.85 -1.40	0.95 - 1.80	✓		✓			✓						
MT55K	5.5	0.85 - 1.40	0.95 - 1.80	✓		✓			✓						
MT35L	5.5	0.40 - 0.85	1.15 - 3.00	✓			✓		✓		✓				
MT35K	5.5	0.40 - 0.85	1.15 - 3.00	✓			✓		✓		✓				
MT54H	4.0	0.85 - 1.40	1.50 - 2.40	✓		✓	✓		✓						
Graphite Regular Grades															
RT35L	5.5	0.40 - 0.85	1.15 - 3.00				✓				✓				
RT36L	6.0	0.40 - 0.85	1.00 - 2.00				✓				✓				

