



NexKem

NexKem is Nexkemia's lineup of Expanded Polystyrene (EPS) resins crafted using cutting-edge polymerization technologies, offering a range of solutions for various applications. The R-series represents the regular grades of EPS, known for their consistent quality and performance, while the M-series is the modified grades that requires fire-retardant. These products are designed to meet the demands of industries looking for reliable and efficient commodity resins, reflecting NexKemia's commitment to innovation and customer satisfaction.



Expandable Polystyrene (EPS)

Focus Applications

NexKemia's EPS 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	ICF	Geofoam	Coolers	Food and Fish Shippers	High Strength Packaging	Designed for Color	Flotation
Modified Grades															
M664D	6.4	1.0 – 1.7	0.75 - 1.10	✓		✓		✓							✓
M464D	6.4	0.7 – 1.1	0.80 - 1.10	✓		✓									
M465D	6.4	0.7 – 1.1	0.90 - 1.25	✓		✓									
M364D	6.4	0.4 – 0.7	0.95 - 1.25	✓		✓	✓								
M363D	6.4	0.4 – 0.7	0.95 - 1.40	✓		✓	✓		✓						
M365D	6.4	0.4 – 0.7	1.00 - 4.00	✓		✓	✓		✓						
M547E	4.6	1.0 – 1.7	1.20 - 4.00	✓		✓				✓					
M548D	4.6	1.0 – 1.7	0.90 - 1.25	✓		✓									
M544D	4.6	1.0 – 1.7	0.95 - 1.25	✓		✓				✓					
M444D	4.6	0.6 – 1.1	1.00 - 1.40	✓		✓	✓		✓	✓					
M447E	4.6	0.6 – 1.1	1.20 - 4.00	✓		✓	✓		✓	✓					
M448P	4.6	0.6 – 1.1	1.20 - 4.00	✓		✓	✓		✓					✓	
M244D	4.6	0.4 – 0.6	1.50 - 4.00	✓			✓								
MG44C	4.7	0.4 – 1.7	1.00 - 4.00	✓		✓				✓					
Modified Low Pentane															
M537E	3.9	1.0 – 1.7	1.50 - 4.00	✓		✓									
M434D	3.9	0.4 – 1.1	1.20 - 4.00	✓		✓	✓		✓						
MC37E	3.9	0.4 – 1.1	1.50 - 4.00	✓		✓	✓		✓						
Regular (General Purpose)															
R641E	4.8	1.0 – 1.7	0.90 - 1.20		✓			✓							✓
R441E	4.8	0.7 – 1.1	1.00 - 2.50		✓		✓				✓	✓			
R341E	4.8	0.4 – 0.7	1.10 - 3.00		✓		✓				✓	✓			
Regular (General Purpose)															
R549C	4.0	0.6 – 1.7	1.25 - 4.00		✓		✓				✓	✓	✓		
R249C	4.0	0.4 – 0.6	1.25 - 4.00		✓		✓				✓	✓	✓		
R539C	3.5	0.6 – 1.7	1.50 - 4.00		✓		✓				✓	✓	✓		
R239C	3.5	0.4 – 0.6	1.50 - 4.00		✓		✓				✓	✓	✓		

