

NexKem^{Eco}

NexKemia is making significant strides in the field of sustainable materials by developing specialty expandable polystyrene (EPS) resins that incorporate recycled content. Their innovative approach includes the use of advanced extrusion technologies to create products that are not only environmentally friendly but also offer high-quality performance. The NexEco family of products, all which features recycled content, are marked by the ECO signature in their brand name. Additionally, each grade of product with recycled content is identified with the "E30" designation in its product code. These designations signify a commitment to sustainability, indicating that the products contain recycled materials and align with the company's vision for a greener future in the industry.

NexKem ECO recycled content resins are available in modified and regular grades. NexKemia's approach to sustainability is to convert single-use polystyrene products, which historically have been landfilled, into a valuable resource, thus creating a greener planet for future generations. Most impressive is that the recycled content does not impact the physical properties of the resulting molded products. EPS molded with NexKemia's recycled content resins performs equally to that of EPS molded with virgin resin.



NexKem ECO is ULC listed in Canada (CAN/ULC 102.2, CAN/ULC 701) and UL recognized in the United States (UL 723, ASTM C578).

Expandable Polystyrene with 30% recycled content (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															
ME364-E30	6.0	0.40 - 0.85	1.00 - 3.00	✓		✓	✓		✓						
ME464-E30	6.0	0.85 - 1.40	0.95 - 1.25	✓		✓									✓
ME444-E30	4.7	0.85 - 1.40	1.10 - 1.80	✓		✓	✓		✓						
ME447-E30	4.0	0.85 - 1.40	1.50 - 4.00	✓		✓	✓		✓						
ME449-E30	4.0	0.85 - 1.40	1.20 - 3.00	✓		✓	✓		✓						
Regular Grades															
RE441-E30	4.5	0.40 - 0.85	1.15 - 3.00				✓				✓				



24 Bellevue Mansonville
 Quebec, Canada, J0E 1X0
 1 877 559 2333



NexTherm^{Eco}

NexKemia is making significant strides in the field of sustainable materials by developing specialty expandable polystyrene (EPS) resins that incorporate recycled content. Their innovative approach includes the use of advanced extrusion technologies to create products that are not only environmentally friendly but also offer high-quality performance. The NexEco family of products, all which features recycled content, are marked by the ECO signature in their brand name. Additionally, each grade of product with recycled content is identified with the "E30" designation in its product code. These designations signify a commitment to sustainability, indicating that the products contain recycled materials and align with the company's vision for a greener future in the industry.

NexTherm ECO recycled content resins are available in modified and regular grades. NexKemia's approach to sustainability is to convert single-use polystyrene products, which historically have been landfilled, into a valuable resource, thus creating a greener planet for future generations. Most impressive is that the recycled content does not impact the physical properties of the resulting molded products; EPS/GPS molded with NexKemia's recycled content resins performs equally to that of EPS/GPS molded with virgin resin.



Expandable Polystyrene with 30% recycled content (GPS)

NexKemia's GPS Products	Typical Pentane Content (%wt)	Unexpanded Bead Size Distribution (mm)	Recommended Pre-Expanded Density Range (pcf)	Focus Applications											
				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															
MT55L-E30	5.5	0.85 - 1.40	0.95 - 1.80	✓		✓			✓						
MT55K-E30	5.5	0.85 - 1.40	0.95 - 1.80	✓		✓			✓						
MT35L-E30	5.5	0.40 - 0.85	1.15 - 3.00	✓			✓		✓		✓				
MT35K-E30	5.5	0.40 - 0.85	1.15 - 3.00	✓			✓		✓		✓				
Regular Grades															
RT35L-E30	5.5	0.40 - 0.85	1.15 - 3.00				✓				✓				
RT36L-E30	6.0	0.40 - 0.85	1.00 - 2.00				✓				✓				



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