

Polymer Additives

Blowing Agent Concentrates

CellFoam-H Series

Physical Blowing Agent

Polymer 5 introduces CellFoam-H[™] water-filled polymer concentrates

New water-filled thermoplastic blowing agents permit foam production on standard extrusion equipment

AKRON, Ohio – October 16, 2003 – Polymer 5, a specialty additives compounder based in Akron, Ohio, has introduced a line of water-filled concentrates for use as physical blowing agents.

These new concentrates permit foam production on standard extrusion equipment with L/D ratios as low as 24:1 and may be used in place of high-pressure water injection systems. Polymer 5 has a patent pending on this technology.

CellFoam-H[™] concentrates are free-flowing pellet or powders that are handled like conventional additive concentrates. CellFoam-H[™] concentrates are environmentally friendly, cost effective and convenient to use. They completely eliminate the need to install and maintain expensive liquid injection systems.

Available polymers include EVA, LDPE, LLDPE, HDPE, PP and PA6 among others. The new line of concentrates are typically loaded with water at levels to 60%.

Water-filled concentrate has been used to produce foamed Santoprene[™] thermoplastic vulcanizate (TPV). The manufacturer of Santoprene TPV – Advanced Elastomer Systems, LP, an ExxonMobil Chemical affiliate – has an exclusive license with Polymer 5 for the use of this technology in the foaming of TPVs.

Applications include: automotive and commercial weather-seals, packaging foam, insulation (thermal and acoustical), gaskets and footwear.

Polymer 5 is a producer of specialty additive concentrates including: chemical blowing agents, UV, anti-stat, slip and anti-blocks. The line is represented in the Americas by Compound Solutions, Inc.

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