

Compound Solutions, Inc.

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Polymer Additives
Blowing Agent Concentrates

CF800-PP/WFP Physical Blowing Agent Masterbatch

Characterization: Medium temperature, high activity physical blowing agent loaded into a proprietary vehicle.

Applications: Functions include weight reduction; vibration reduction; energy absorption; sealing; friction improvement; cushioning; and insulation (thermal, acoustical, electrical).

Ideally suited for use in the manufacture of extrusions including gaskets and seals.

Primary Use: Density reduction.

Secondary Use: Insulation properties.

Features/Benefits: Convenient and safe to handle. Pellet or powder form promotes consistent decomposition and thorough distribution resulting in fine celled, uniform foam structures.

Processing Properties

Onset of Activation: 100°C (212°F).

Active Content: 50% +/- 0.25%.

Polymer Grade: Polypropylene Homopolymer – 20 MFI (Melt Flow Index).

Processing Temps: 170-200°C (338-392°F) to achieve optimum gas yields.

Decomposition Products: H₂O.

Product Forms: 3.0mm (0.125") Pellet, powder granule.

Processing Precautions: Feed zone should be no higher than 90°C to avoid premature water release.

Guidelines for Use: 1.0%-4.0% - Extrusion (weight reduction).

Regulatory Status: All raw materials are GRAS (generally recognized as safe) or meet CFR 177.1520.

Ventilation Precautions: The use of blowing agents result in the evolution of decomposition gases. Additionally, the foaming process may assist in the liberation of other volatiles from the polymer substrate. Accordingly, proper ventilation practices should be observed.

Storage & Handling: Normal storage precautions, store in a cool dry area. Keep containers sealed. Keep away from heat/flame. For more detailed information please refer to the material safety data sheet (MSDS).

Comments: Since all product use cannot be anticipated it is the responsibility of the end user to obtain specific FDA approval for their product.

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