

NOVACHEM

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SUPERNOVATM HYBRID

*SuperNova*TM HYBRID is NOVACHEM's brand of hybrid purging compound. It combines the best capabilities of chemical and mechanical purging compounds to remove residues of resins and contaminants from production equipment. *SuperNova*TM HYBRID purging compound is certified as compliant with FDA regulations regarding use in incidental food contact applications. *SuperNova*TM HYBRID gives off only carbon dioxide, and water vapor to the environment.

INSTRUCTIONS FOR USE IN EXTRUSION EQUIPMENT

*SuperNova*TM HYBRID Purging Compound will work effectively for all types of processing equipment and all thermoplastic resins.

**FOR TECHNICAL SUPPORT OF SUPERNOVATM
PURGING COMPOUNDS, CONTACT NOVACHEM:
ON THE INTERNET AT <http://www.novachem.net>
BY TOLL-FREE TELEPHONE AT 1-800-762-3984
BY TELEFAX AT 1-203-367-0647.**

BASIC INSTRUCTIONS

1. Empty the extruder of the production resin. **DO NOT REMOVE THE DIE.** Keep heats at production settings (minimum of 380°F (195°C)).

If this purge is a color or material changeover that is known to be very difficult, pre-flush the system with a clean, natural, heat-stable resin that is at least as stiff as the production resin (extrusion-grade HDPE is ideal) until the bulk of the material is pushed out.

2. Run SuperNova™ HYBRID purging compound through the machine using normal screw speed. When purging compound is emerging uniformly from the die opening, stop the screw **for FIVE minutes**. Then return to normal screw speed.

Start with about 2 system volumes of purging compound and adjust the amount used based on results.

3. Purge the system empty of the SuperNova™ HYBRID material.

If you see visible contamination or black specks as the last of the SuperNova™ HYBRID empties from the machine, another purge is needed. preferably at higher temperature (50°F to 100°F (28°C to 55°C) above normal operating temperature.) Raise heats and repeat step 2.

4. If this is a shutdown purge, stop now and cut the heats. Otherwise, reset temperatures for normal operation and run the new production material through the system until all traces of SuperNova™ HYBRID purging compound are removed. Then, begin normal production.

VENTED BARRELS

Clean vents manually and, if possible, close the vents with caps.

Vary the speed of the screw while running *SuperNova™* HYBRID through the machine.

MULTI-LAYER DIES

Each layer of a multi-layer die can be purged separately. During the purge procedure, slowly run HDPE or other natural, non-heat sensitive material through the extruders not being purged.

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