



SUPERNOVA CX : The clear choice for polycarbonate processors

Supernova CX Cleaning compound for polycarbonate and other crystal-clear thermoplastics.

If you are processing clear polycarbonate, you cannot afford the tell-tale specks and streaks of material contamination. To meet this special need, Engineering Chemicals made a good thing even better by introducing Supernova CX, the first chemical purging compound designed especially for clear polycarbonate processing.

This improved formula removes thermoplastic materials and residue from screws, cylinder walls and downstream components quickly and easily, but will not leave any cloudiness behind. Like the standard Supernova compound, Supernova CX dramatically reduces downtime and material waste, and, with regular use, can eliminate degradation and teardown altogether. No longer will you run large amounts of scrap following a purge.

SUPERNOVA CX saves you time and money because it:

- Is especially designed for polycarbonate
- Eliminates post-purge haze and discolouration
- Reduces post-purge scrap runs
- Reduces downtime on material changes
- Eliminates build-up of carbon deposits
- Eliminates teardown with regular use
- Works safely and effectively

SUPERNOVA CX

Safe, clean and easy-to-use

Supernova CX chemical purging compound is safe and effective for all types of polycarbonate processing on systems including injection moulding, blow moulding and extrusion equipment of any size. Certified in compliance with FDA regulations, the product is odourless, non-toxic and ammonia free, with only water vapour and carbon dioxide produced as by-products.

Supernova CX is a blend of filled plastic pellets that feed quickly and easily, just like the polycarbonate you process. In addition to its "cloud-free" performance, it is also free of chalky dust and will not clog screens or leave powdery residue and "fines" in dies, manifolds or heads.

Instructions for using Supernova CX mixture for Injection Moulding equipment

Mixture ratio with carrier polymer: 25% Supernova CX / 75% PC

1. Empty the machine of the production resin. Remove the hopper or feed system and make sure all production material is cleaned out of the feed area.
2. Flush the machine by running non-dried polycarbonate (quantity 1-4 times the nett cylinder content) to push most of the residual production resin out of the machine. Run the machine empty again.
3. Load the machine with a full system volume of SUPERNOVA CX mixture, feeding it directly into the throat. Fill the system until SUPERNOVA CX extrudes from the nozzle; keep the throat opening filled with SUPERNOVA CX.
4. Soak the system with the screw stopped for 10 to 20 minutes. Keep the throat full, reciprocating screws forward.
5. Purge the system empty of the SUPERNOVA CX mixture.
6. Run the new production material through the system until all traces of SUPERNOVA CX are removed. Then, begin normal production or, if this is a shut down purge, stop the operation.

**Engineering
Chemicals**

ENGINEERING CHEMICALS B.V.
Van Andelstraat 7
P.O.Box 59, 4650 AB Steenbergen, Holland
Tel: +31(0)167 566984 Fax: +31(0)167 561118
E-mail: e-chem@e-chem.nl