



## **CONCENTRATE grade: Supernova SH**

	For materials with a processing temperature range of
Supernova SH	330°C - 450°C

### **Preparation of Compound:**

Mix Supernova SH with the used polymer (can be virgin, regrind of scrap) in a ratio of 25-40% Supernova SH and 75-60% used polymer. Increase or decrease ratio if more cleaning activity is desired. Instruction for high temperature polymers. For such high temperature engineering resins as Ultem, Ryton, Torlon, PEEK, Polysulfone, Teflon and Extem proceed as follows:

### **Instructions for high temperature resins:**

1. Empty the machine of the production resin; maintain all heats at the operating temperature.
2. Load the machine with a full system volume of Supernova SH purging compound, feeding it directly into the throat. Fill the system until Supernova SH extrudes from the nozzle; keep the throat opening filled with Supernova SH. Keep the heats up – Supernova SH is heat activated!
3. Soak the system for 10 to 20 minutes. Do not stop the screw. During the heat soak, keep the screw turning at minimum RPM. Keep the throat full of Supernova SH.
4. Purge the system empty of the Supernova SH material. If the machine was heavily contaminated, and you can see visible contamination or black specks as the last of the Supernova SH material empties from the machine, another purge is needed. Maintain the same system temperatures. Repeat steps 2 through 4.
5. Reset temperature controllers if the new production material is processed at lower temperature. Allow the machine to line out at the new operating temperature.
6. Run the new production material through the system until all traces of Supernova SH residues are removed. Then, begin normal production.

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