



Clear ACRYLIC Purging Compound

Physical scrubbing action without scratching

Use with:

Nylons, Polycarbonates, Polyesters,
Thermoplastic Elastomers
and other engineering resins

350° - 500° F

100%
Cast Acrylic
*Softens,
but does not melt*

Clear ACRYLIC Purging Compound is formulated to purge engineering materials, but it will also work on all types of thermoplastics.

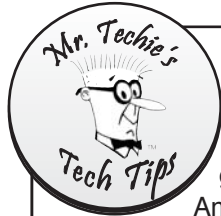
— CAUTION —
Before using Acrylic Purging compounds:
1.) Remove all flow restrictions.
2.) If nozzle orifice is not at least 3/16", remove nozzle.

Item No. 114656
Per 50 lb bag **\$184.00** ea.

Item No. 114652
Per 250 lb drum **\$835.00** ea.

Reduce scrap, save time and money... use purging compounds regularly!

Complete information on how to use purging compounds available on request.



What's the difference between Crystalline and Amorphous material?

Amorphous resins have no defined melting point but continue to soften gradually until reaching a fluid state.

Amorphous resins are slow to absorb heat.

They tend to degrade or burn when exposed rapidly to higher temperatures. Ex: Butter: Set a stick of butter on a plate and it softens gradually but retains its shape. As it is heated it will become a liquid but there is no set melting point as in Amorphous material.

Crystalline resins remain in a relatively solid state until the temperature reaches its melting point. Crystalline materials melt quickly and can be processed under greater shear and heat. Ex: Water: Freezes at 32° F. but if you raise the temperature it will quickly melt. There is a defined melting point in high Crystalline material just as there is in water.

- 1) Purging a screw and barrel with IMS purging compounds will not only clean the components but will help neutralize any chemical or acids which could cause corrosive wear.
- 2) After properly purging barrel, leave screw in forward position to minimize components exposure to corrosion.
- 3) Inadequately dried material can, not only result in material degradation but, contribute to corrosive wear as well.
- 4) Heat required to melt plastic in the barrel not only comes from the heater bands but the work of the screw (rotation and back pressure) as well.
- 5) Failure to leave screw in forward position, at shutdown, after purging, increases the possibility to damage from a cold start.
- 6) Before assembling a new or re-built screw into a new or re-built barrel, make sure both items are clean and free of all plastic.
- 7) To prevent leakage, all sealing surfaces must be clean and free of any burrs to provide a good seal against it's mating part.
- 8) Due to heat applied to these components during operation, it is imperative that you apply an IMS anti-seize compound to all threads, bolts and screw drives before assembling. This will make it much easier to disassemble in the future.



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