



# 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.

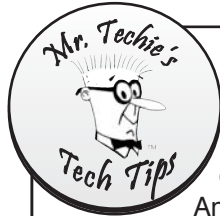
**— CAUTION —**  
*Before using Acrylic Purging compounds:*  
1.) Remove all flow restrictions.  
2.) If nozzle orifice is not at least 3/16", remove nozzle.

Item No. 114656  
Per 50 lb bag ..... **\$209** ea.

Item No. 114652  
Per 250 lb drum ..... **\$945** 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.



**www.imscompany.com** | phone order toll-free (USA & Canada) **1.800.537.5375**

fax order toll-free (USA & Canada) | phone order toll-free (Mexico) | tech support toll-free (USA & Canada) | e-mail  
**1.888.288.6900** | **001.888.304.1307** | **1.866.467.9001** | **sales@imscompany.com**

