

# KLEARSTAR

## CLEARLY THE MOST PRODUCTIVE POLYCARBONATE MOLDING PACKAGE.

Our first engineering grade package recommended for polycarbonate applications. In a polycarbonate application, volatile by-products (gases) are released during melting of the resin pellets. These gases attack the metallic component surface of the conventional nitrided surfaces. This corrosive wear results in pitting and erosion at the screw root diameter and on the barrel surface. The pitting that occurs as a result of this corrosive wear provides an area for the plasticized material to adhere. This material degrades resulting in black specks, and ultimately is injected into the mold, consequently increasing the amount of reject parts.

### TO PROCESS A RESIN POSSESSING THESE CHARACTERISTICS, IT IS CRUCIAL TO OUTFIT YOUR MACHINES WITH SPECIALIZED COMPONENTS.

We now have a base material from which we can manufacture our components. This new material provides corrosion resistance and the lubricity properties necessary to process polycarbonate, especially in the molding of lenses. This results in the total absence of black specks.\* The corrosion resistance and lubricity properties of this base material improve the flow of material to a degree that prevents sticking. You will enjoy greater productivity with the absence of this condition through the elimination of inferior product and down time for maintenance.

### The KlearStar Package Consists of the following:

- Bi-metallic barrel
- Feedscrew
- Tip assembly
- Barrel adapter



PLASTEK  
Representates  
305 887-6920  
repuestos@plastecusa.com

## SERVTEK

\* Black specks may be experienced upon machine startup but will be eliminated after process stabilizes.