



CLEARLY THE MOST PRODUCTIVE **POLYCARBONATE** MOLDING PACKAGE

ELIMINATE BLACK SPECKS IN POLYCARBONATE APPLICATIONS



The KLEARSTAR Package consists of bimetallic barrel, feed screw, tip assembly and barrel adapter.

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 of the screw root diameter and on the inside diameter of the barrel. 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 which are ultimately injected into the mold, consequently increasing the amount of reject parts.

BECAUSE POLYCARBONATE HAS THESE CHARACTERISTICS, IT IS CRUCIAL TO OUTFIT YOUR MACHINES WITH *KLEARSTAR* SPECIALIZED COMPONENTS.

SERVTEK's KLEARSTAR Package 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 the **KLEARSTAR** improves the flow of material to a degree that prevents sticking. Processors will enjoy greater productivity through the elimination of inferior product and reduced down time for maintenance.



SERVTEK
SERVICES

call: 1-888-439-2491 • fax: 513-536-2442
4165 Half Acre Road • Batavia, Ohio 45103
e-mail: www.service@servtek.com

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* Specks may be experienced upon startup but will be eliminated after process stabilizes.