SOLUTIONS FOR THE HEALTHCARE INDUSTRY

The all-styrenics IV set
Styrenic grades for the complete IV set
As the global leader in styrenic based materials, INEOS Styrolution provides high quality solutions to meet the demands for a wide range of healthcare applications. From drip chambers to clamps, our resins meet the requirements for complete IV systems, as highlighted in the illustration and defined in more detail below.

**DRIP CHAMBERS**

Styrolux®, Styroflex® and K-Resin® are materials of choice for drip chamber applications. INEOS Styrolution offers an extensive portfolio of medically compliant SBCs (Styrene Butadiene Copolymers), which allows the customer to select the right grade of material for their unique design. These grades have excellent transparency, good flowability, and great bonding characteristics all of which make them ideal choices for drip chamber applications.

**IV SPIKE**

Lustran® 348, Lustran® 248FC, Novodur® HD M203FC and Novodur® HD M203FC G3 are all excellent choices for IV Spike applications. Easy to process, with high quality surface appearance, IV spikes can be produced exhibiting a wide range of performance characteristics. The molded spikes are stiff, and allow for easy piercing of an IV bag. If superior stiffness is required, then Novodur HD M203FC G3 is the only regulatory compliant grade. It is the only glass fiber filled medical ABS on the market today. Easy moldability, excellent property retention after gamma-radiation, E-beam, NO₂ or EtO sterilization, and excellent bondability make these grades the perfect fit for IV spike applications.
IV TUBING

Styroflex® 4G80 can be processed on existing tubing equipment with very limited modifications. It offers processing advantages to incumbent and competitive materials, excellent bonding performance to other material and components. Additionally it meets and exceeds specific requirements for medical tubing. The low density of Styroflex® 4G80 compared to other competitive materials offers an advantage – plus drying is not required.

LUER LOOKS & CONNECTORS

Terlux®, Zylar® and Clearblend® are all excellent materials for luer locks and IV connectors. These materials exhibit excellent transparency, good mechanical strength and stiffness and excellent chemical resistance/ good environmental stress cracking resistance (ESCR). Additionally, the good processability of these materials make them excellent materials for both sophisticated and multicavity tooling.

ROLLER CLAMP

IV roller clamps have been successfully molded from Lustran® ABS and Novodur® HD. Roller clamps molded from these resins have exhibited superior performance, providing superior aesthetics and feel. All of the highlight resins have proven to provide wide processing windows, yielding parts with excellent surface appearance and feel.