SABIC’S ENGINEERING THERMOPLASTICS SOLUTIONS FOR VENTILATORS

INDUSTRY TRENDS AND CHALLENGES
To help global healthcare manufacturers produce ventilators for COVID-19 patients, SABIC’s engineering thermoplastics (ETP) business offers a portfolio of advanced resins to help address many challenges faced by the industry. These material solutions deliver key performance properties for applications including, air passages and connectors, enclosures and housings, and are backed by SABIC’s Healthcare Product Policy.

SABIC MATERIAL SOLUTIONS
With our broad portfolio of engineered resins for healthcare, SABIC is able to collaborate with our customers to help select the resins to address the needs of each end application component.

Air passages and connectors: where biocompatibility is needed, LEXAN™ resin and CYCOLAC™ resin healthcare grades are available

Enclosures: CYCOLOY™ FR and VALOX™ FR resins are flame retardant and have good chemical resistance. In situations where additional chemical resistance is required, VALOX™ (PBT) resins may be used in enclosure applications. (Note: PBT resins are semi-crystalline and exhibit a higher shrinkage than amorphous resins such as LEXAN™ and CYCOLOY™ resins)

Housings: LEXAN™ resin portfolio provides high stiffness, design flexibility, is easy to mold and can undergo secondary operations

Where UL rating may be required, consider certain flame resistant grades of LEXAN™ resin.

TYPICAL APPLICATIONS INCLUDE:
• Air passages
• Connectors
• Enclosures
• Housings

ETP MATERIAL PORTFOLIO FOR VENTILATORS
• CYCOLAC™ resins
• CYCOLOY™ FR resins
• LEXAN™ resins
• VALOX™ FR resins

For more information on our ETP portfolio of solutions for healthcare please contact mdts.techhelp@sabic.com