

STRUCTURAL SOLUTIONS

THERMOCOMP™, THERMOTUF™, VERTON™ COMPOUNDS &
CYCOLOY™ RESINS

STRUCTURAL SOLUTIONS

The Structural portfolio is based on a variety of thermoplastic resins in combination with different reinforcements and fillers like glass fiber, glass beads, minerals, and carbon fiber. In addition we can add a variety of modifications for flow, release, impact and flame retardant.

Structural compounds are reinforced compounds, that provide improved dimensional stability over standard unmodified thermoplastics, while mechanical properties like stiffness and strength are enhanced. Also the heat capabilities are improved, together with better long term properties like fatigue and creep. In most cases good surface aesthetics can be provided and improving mechanical properties allow customers to reduce the weight of their products by designing thinner wall parts



VALUE PROPOSITION

- Strength and Stiffness
- Metal replacement and metal/plastic hybrid
- Better fatigue and creep resistance
- Improved dimensional stability and low CTE
- Good surface in glass fiber filled parts
- Nano Molding Technology (NMT)
- Large Format Additive Manufacturing
- High modulus, can help the customer reduce the weight of their product by the ability to design thinner wall parts

POTENTIAL INDUSTRIES & APPLICATIONS

CONSUMER ELECTRONICS: Housing, cover and frame in notebook / tablet / mobile phone; Printer chassis; Antenna splitter; MP internal speaker/receiver housing; Audio housing; Base Station PCB Latch; DVD Tray

AUTOMOTIVE: Transmission Bearing Cages; Gear / Bearing / Slider; Truck exterior; Truck interior panel; Auto mirror; Door trim

HEALTHCARE: Surgical Instrument; Tray Sterilization; Cardiovascular Pulse / EKG; Lab ware; Lab Equipment; HC Infrastructure; HC Fluid Delivery; HC Drug Delivery

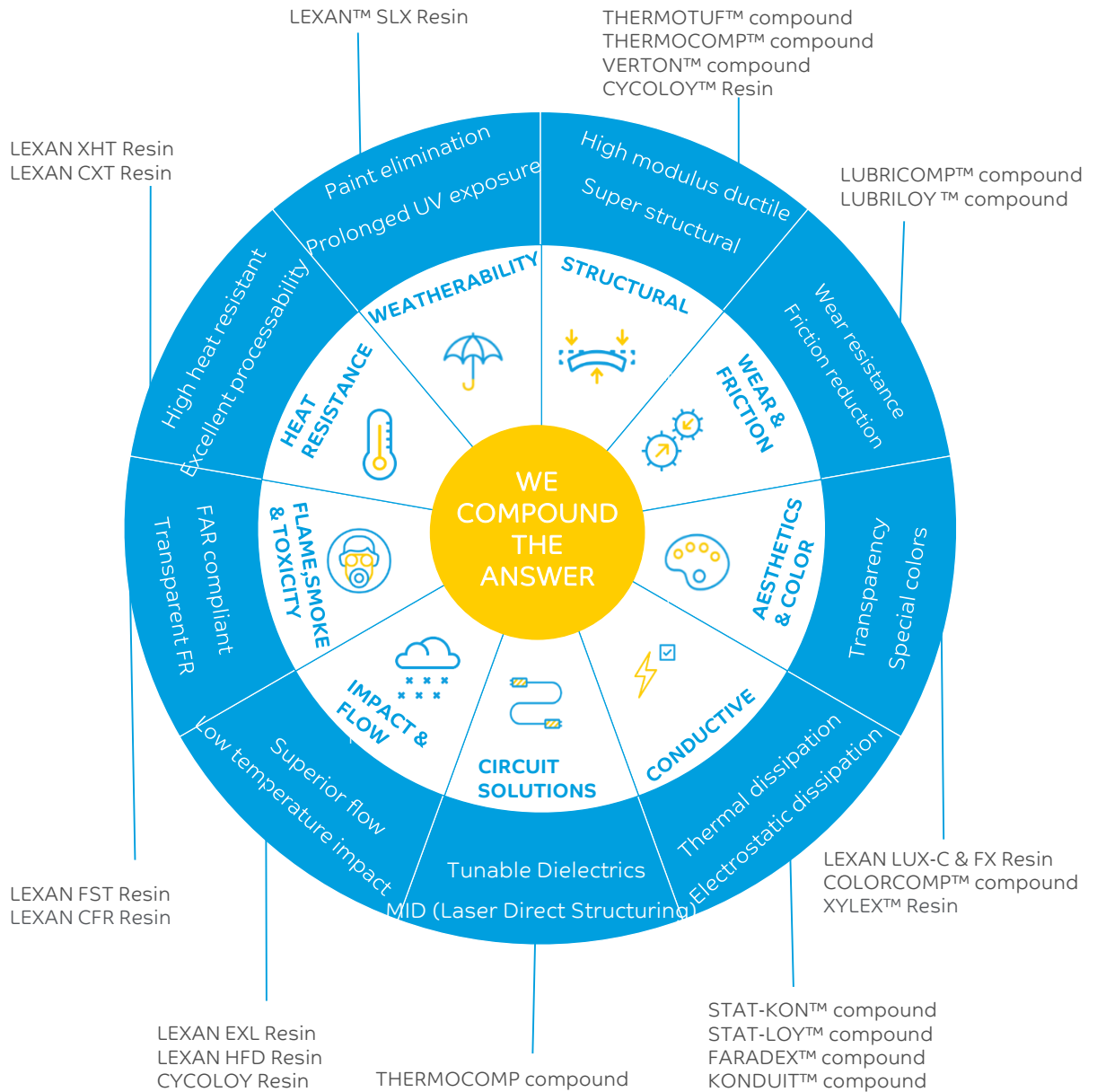
BUILDING & CONSTRUCTION: Valve; bump housing; Air Conditioner cover; Air Filtration housing; Lawn/Garden, Traffic Management; Motor Way Rail; Building Component

ELECTRICAL & LIGHTING: Telecom/Data Connector; Electrical Interface devices; Indoor Enclosure; Aerospace Connector

MASS TRANSPORTATION: Aircraft seat arm rest; Aircraft seat tray supporter; Aircraft internal parts

CONSUMER: Washing machine; Electric Shaver; Refrigerator component; Dishwasher component; Chair; ATM cladding / door; Exercise component

SABIC COMPOUNDS & COPOLYMERS SOLUTIONS



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