



Ford produces its first digitally manufactured polymeric end-use parts with Carbon

Challenge:

- Parts must maintain same quality at lower production costs
- All new material and process must pass Ford's rigorous performance standards for each application, including:
 - Interior weathering
 - Short- and long-term heat exposures
 - UV stability
 - Fluid and chemical resistance
 - Flammability (ISO 3795)
 - Fogging (SAEJ1756)

Solution: End-use parts made with EPX 82

- Ford Mustang GT 500: Electric parking brake bracket
- Ford Focus: HVAC lever arm service parts
- Ford F-150: Auxiliary plugs for niche markets



"[The process allows Ford] to more nimbly respond to the dynamic changes in the market and our complex supply chain."

- Ellen Lee, Ph. D. Ford technical leader for additive manufacturing