



## » PRODUCT BULLETIN

# Smartbatch™ Fabric FX

## Color and Additives Enhance Perceived Value with Look of Fabric

Smartbatch™ Fabric FX color and additive concentrates from Avient are a hassle-free means for manufacturers to turn plain, smooth polymer surfaces into those that mimic the soft appearance of textile. With Fabric FX masterbatch and a textured mold surface, manufacturers have a drop-in solution to design novel parts that appear to be covered in textiles.

For manufacturers who currently bond textiles to polymer surfaces, this solution gives applications comparable aesthetics but at a significantly lower total cost, and without the logistics and processing hassles associated with bonding textiles to polymers.

There is no limit on colors that can be used to create the fabric look. While the effect is most visible on light colored parts, the appearance of dark parts is also enhanced.

### KEY CHARACTERISTICS

- Fabric FX can be formulated to include properties such as UV color protection and anti-scratch performance
- Fabric FX can be processed on standard molding machinery

- Different matrix materials can be enhanced with Fabric FX, including ABS, PC/ABS, PB, and unfilled or talc-filled PP
- There is no limitation on the graining that can be used; the fabric effect will differ depending on the grain effect engraved in the tool
- If parts are extruded or a mold is not engraved, final parts will have an attractive speckled appearance, but will not be textured

### TYPICAL USES

Fabric FX concentrates are suitable for any application that could benefit from an enhanced textile-like appearance. Applications include:

- Automotive pillars, headliners, and other visible interior trim parts
- Home appliances
- Consumer products
- Personal electronics devices
- Medical devices
- Sporting goods & toys
- Outdoor furniture

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