



# Resino Color

Carbon Black Masterbatches for Engineering Plastics

## Features

The products are high heat-resistant masterbatches recommended for coloring engineering plastics with the following features:

- Carbon black is fully distributed throughout the masterbatch, which results in beautiful, mirror-finished molding products because no coarse particles appear on the surface.
- The generation of volatile gas during the molding process is controlled, which means the long-run molding process reduces contamination of the molds.
- For compounds containing glass fibers, the masterbatches produce a smooth surface by suppressing the rising of the glass fibers. Furthermore, the masterbatches offer greater weatherability than products containing dyestuff.

## Recommended Applications

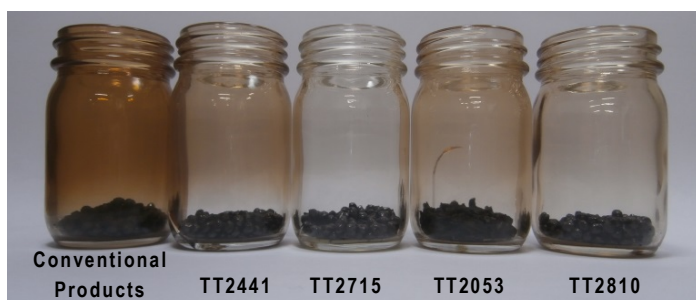
Automobiles: Headlight-related parts, engine covers, side-mirror covers, interior parts  
 Home electric appliances: LCD TV housings, OA equipment, gaming machines  
 Daily necessities: Toys, cosmetic containers, packaging materials, etc.

## Product Name/Characteristics

Product Name	Black ABF-TT2441	Black ABF-TT2715	Black PEC-TT2053	Black ABF-TT2810
Carbon content	45%	45%	50%	40%
MB base resin	AS resin	AS resin	Polyethylene	AS resin
Product shape	Pellet	Pellet	Coarse grain	Pellet
Packaging style	25 kg paper bag	25 kg paper bag	15 kg paper bag	25 kg paper bag
Recommended molding resin	PA6, PA66, PET, PBT, PC, ABS, AS	PA6, PA66, PET, PBT, PC, ABS, AS	PA6, PA66, PET, PBT, PC, ABS, AS, PP, PE	PA6, PA66, PET, PBT, PC, ABS, AS
Jet blackness	○	◎	△	△
Low-gas design	○	◎	△	○
Surface smoothness	—	—	◎	◎

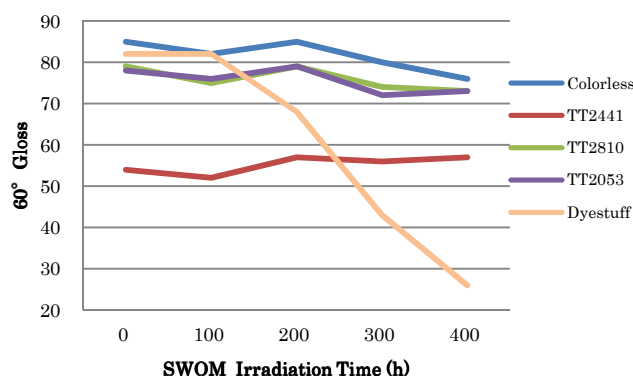
\*Recommended additive amount of masterbatch: 0.5% to 5%

## Gas-Generating Test (Mold Contamination Test)



Masterbatches are put in glass bottles and allowed to stand for 1 hour in a 300° electric furnace.

## Surface Gloss of Molding Product Weatherability Test



66PA(GF33%) / MB = 100 / 1

Molding Temp. 285°C Mold Temp. 95°C



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