

## PRODUCT REFERENCE: *PACE*<sup>®</sup> PT 4778

**DESCRIPTION:** *PACE*<sup>®</sup> 4778 is a black masterbatch based on a PET (copolyester) carrier and containing a small particle furnace carbon black. It contains no other fillers or additives. It will give effective black pigmentation with a brown undertone in a variety of PET base polymers and applications. The carbon black used is also effective as a UV stabiliser for PET.

**APPLICATIONS:** PET based compounds and extrusions requiring effective and economic pigmentation at minimum addition levels. *PACE*<sup>®</sup> PT 4778 has a wide degree of suitability for food contact applications. The components of this product are compliant with current EU Food Contact Regulations including the latest amendment relating to carbon black (2007/19/EC). The special process used to manufacture *PACE*<sup>®</sup> PT 4778 ensures that it has a high degree of crystallinity. This allows both base polymer and masterbatch to be predried together without problem.

**PROCESSING:** PET products typically require predrying. A possible method is to use a desiccant hopper system giving 130 °C and an effective residence time of 5 hours. Extrusion temperatures appropriate to PET are suggested, typically a melt temperature of 250 to 270 °C.

**ADDITION RATE:** 1 to 3 % depending on application.

**PIGMENT TYPE:** Small particle furnace Carbon Black.

### TYPICAL PROPERTIES:

**Pigment content:** 30%

**Bulk density:** 680 kg.m<sup>-3</sup>

**Packaging:** *PACE*<sup>®</sup> PT 4778 is normally packed in 25kg polyvalve bags. It should be stored in a clean dry area.

For Health and Safety information, please refer to the appropriate COLLOIDS Material Safety Data Sheet.

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