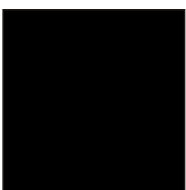
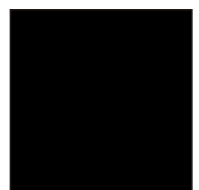


Printer Model		Sample Discription	
Printer Number		Printout Number	
Cartridge Model		Tester	
Temperature and Humidity		Test date	



STANDARD TEST TARGET
COMPLIANT WITH ASTM F2036-05



Standard Test Method for Evaluation of Large Area Density and Background on Electrophotographic Printers

This standard is issued under the fixed designation F2036, the number immediately following the designation indicates the year of original adoption or, in the case of revision, a number in parentheses indicates the year of last reapproval. A superscript epsilon (€) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method describes the procedure for measuring the monochrome diffuse reflection print density and background for large area on printed pages from electrophotographic printers. It describes the test target and calculations for evaluating the print density and background.

1.2 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

F1856 Practice for Determining Toner Usage for Printer Cartridges

2.2 ANSI Standards:

IT2.17-1995 (ISO 5-4) Density Measurements—Part 4: Geometric Conditions for Reflection Density

IT2.17-1995 ANNEX A1 Density Measurements—Part 4: Geometric Conditions for Reflection Density, Backing Material

3. Summary of Test Method

3.1 A standard test target is printed under specified conditions. Black areas and background areas of the prints are measured using a diffuse reflection densitometer. The values are recorded and the results interpreted.

3.2 The diffuse reflection density is the logarithm of the inverse of the ratio of the reflected light to the incident light.

4. Significance and Use

4.1 This test method can be used for the evaluation of the electrophotographic printer output image quality, aesthetic appearance, visual impression of blackness and the ability to distinguish information from the background.

4.2 This test method can be used for the evaluation of new and remanufactured toner cartridges and their respective components used in an electrophotographic printing process.

4.3 This test method can be used to evaluate printer output image density and background under specified environmental conditions.

4.4 This test method is suitable for research and development and quality acceptance evaluations.

5. Interferences

5.1 Relative humidity can impact test results. The test should be performed at a controlled temperature and humidity within the operating humidity range of the printer. This usually is between 20 and 80% RH. All equipments and materials should be conditioned in the same temperature relative humidity for at least 24 h prior to testing.

25% GRAYSCALE

