ASTM D3884

Abrasion Resistance of Textile Fabrics (RPDH) Method

GENERAL PRINCIPLE

A test specimen is subjected to the rubbing action of two abrading wheels under controlled conditions of pressure and abrasive action. The abrasion wheels rest on the surface of the specimen which is mounted on a rotating platform. Turning of the platform initiates the abrasive action on the test specimen.

There are 2 methods to determine the Abrasion resistance of Textile Fabrics:

I- The number of cycles is fixed before the beginning of the test, generally 500 or 5000 cycles. In this case, the result of the test is the weight loss of the sample.

TEST RESULTS

ABRASION WHEEL	H-18
LOAD APLIED	1000
NUMBER OF CYCLES	**5,000 (fixed)**

ORIGINAL WEIGHT	30.00 Grams
FINAL WEIGHT	40.00 Grams
WEIGHT LOSS (original weight – final weight)	**10.00 Grams**

INTERPRETATION OF THE RESULTS

In this case, after 5000cycles, the sample lost 10.00Grams.

II- The test sample was abraded until primary backing was visible; this was considered the end point.

TEST RESULTS

ABRASION WHEEL	H-18
LOAD APLIED	1000
NUMBER OF CYCLES	**8,000**

INTERPRETATION OF THE RESULTS

In this case, the test sample was abraded until 8,000 cycles.

The most meaningful interpretation is to compare the Abrasion Resistance test results of all NOTRAX® Floor Matting products.

All testing of NOTRAX® Floor Matting has been performed by an independent testing laboratory.