

WYZENBEEK

ASTM D4157

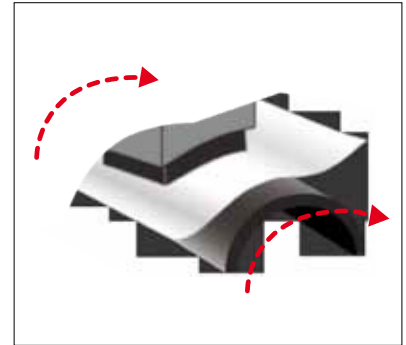


Principle

Wyzenbeek test – assesses fabric’s resistance to abrasion (mostly used in North America).

A fabric sample is placed in the Wyzenbeek machine. The fabric is rubbed in a back and forth motion on a cylinder covered in either cotton fabric or wire screen. The fabric sample is assessed at certain intervals to identify yarn breakages, appreciable wear, colour loss and loss of pile.

The test is completed when 2 yarns are broken or when the appearance of the fabric has substantially changed.



Results

This is the general classification:

Cotton duck (contract):

| | |
|--------------------------------|----------------------|
| Unrated | < 15 000 double rubs |
| General contract upholstery | ≥ 15 000 double rubs |
| Heavy duty contract upholstery | ≥ 30 000 double rubs |

Wire screen (residential):

| | |
|-------------|----------------------|
| Light duty | ≥ 3 000 double rubs |
| Medium duty | ≥ 9 000 double rubs |
| Heavy duty | ≥ 15 000 double rubs |

Application Standards

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