



## Tonus 4

### Abrasion

Approx. 100.000 Martindale rubs, EN ISO 12947

*Abrasion test results exceeding ACT performance guidelines are not an indicator of product lifespan. Multiple factors affect fabric durability and appearance retention*

### Pilling

Note 3, EN ISO 12945

### Seam slippage

Seam parallel to warp: 4.0 mm parallel to weft: 4.5 mm  
EN ISO 13 936-2 180 Newton

### Lightfastness

Note 5-7 ISO 105-B02

### Fastness to rubbing

Dry note 3-5 ISO 105-X12  
Wet note 3-5 ISO 105-X12

### Absorption

0.45/Class D (flat), 0.60/Class B (waved) EN ISO 354

### Airflow

233 Pa s/m EN 29053

### Flame resistance

AS/NZS 1530.3  
AS/NZS 3837 class 3  
ASTM E84 Class A Unadhered  
ASTM E84 Class B Adhered  
BS 5852 crib 5 with treatment \*  
BS 5852 part 1  
EN 1021-1/2  
IMO FTP Code 2010 Part 8  
NF D 60 013  
NFPA 260  
ÖNORM B1/Q1  
SN 198 898 5.3 with treatment \*  
UNI 9175 1IM  
US Cal. Bull. 117-2013

Free from added flame retardant chemicals as standard

*\* To pass this test flame retardant treatment is necessary. We are looking into more environmentally friendly alternatives but for now, the external finisher may use a treatment containing halogen-based flame retardants*

### Tonus 4 – Item 1110

Design: Nina Koppel

Type: Upholstery

Composition: 90% new wool, 10% helanca

Yarn type: Woolen

Binding: Plain

Width: Approx. 140 cm, 55 inches

Weight: Approx. 665 g/lin.m, 21.5 oz/ly

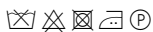
Foreign fibers may occur in light colours

Colour difference may occur

Cleaning: Vacuum clean frequently, ideally every week. Remove stains as soon as they occur, with clean warm water or sparkling water. Extraction clean when necessary. Extraction cleaning might dissolve water-based glue. Pay attention to temperature and amount of cleaning fluid.

Disinfection, see kvadrat.dk

More info: Care and maintenance kvadrat.dk



10 year  
warranty



## **ACT Guidelines Woven fabrics**

### **Flammability**

US Cal. Bull. 117-2013

### **Dry & Wet Crocking**

Dry Crocking: Grade 4.5

Wet Crocking: Grade 5.0

### **Colour Fastness to Light**

Grade 4.0 minimum 40 hours

### **Physical properties**

Pilling Class 3

Breaking Strength warp 160 / weft 135 lbs.

Seam Slippage warp 105.5 / weft 39 lbs.

### **Abrasion**

100.000 cycles Martindale – High Traffic / Public Spaces

### **Benefits of wool**

Wool is a renewable resource

Wool is very comfortable because of its ability to absorb/  
give off humidity

Wool is flame retardant

Wool is biodegradable

Wool is naturally soil resistant

Wool ages with grace

### **Quality benefits**

Complies with Möbelfakta

Very good abrasion

Good lightfastness

Flame retardant

### **Environmental benefits**

EU Ecolabel compliant

No content of PFCs or 'PFAS'

REACH compliant

Californian Proposition 65 list compliant

LBC Red list compliant

Healthier Hospitals compliant

### **Green building certificates**

Greenguard Gold: Low chemical emission

Environmental Product Declaration (EPD): Based on a LCA  
following EN 15804 and follow the standard of ISO 14040

Health Product Declaration (HPD): Declaring textile content  
and substance

### **Country of origin**

United Kingdom

### **Launch**

1974

### **Warranty**

10 years. See terms and conditions on kvadrat.dk

Kvadrat packaging and cardboard is recyclable. Cardboard  
material is FSC certified and / or contains recycled content.

For further information

kvadrat.dk