


# ROYAL

 2161-2191



FIRE RETARDANT



Composition	100% PES
Weight	400 g/m <sup>2</sup> ± 5%
Width	142 ± 3 cm
Type	woven fabric
Brand	upholstery fabric



Abrasion resistance  
PN-EN ISO 12947-2:2017-02

100 000 rubs

A



Fuzzing and pilling  
PN-EN ISO 12945-2:2002

4-5

A



Seam slippage  
PN-EN ISO 13936-2:2005

4 | warp  
5 | weft

B



Fire retardant  
BS 5852 Part 1 Source 1-2

✓

Maintenance



1. The level of Cleanaboo and Cleanaboo+ protection can decrease after each cleaning of the fabric, but the process does not affect the look.
2. Respective fabric batches may differ slightly in shade from the colours presented in the sampler.
3. Toptextil Sp. z o.o. is not liable for mechanical damage and such as may be attributable to the improper use and/or cleaning of the fabric.
4. Bobbling and pilling are caused by the properties of the fabric and impossible to avoid entirely. This is a natural process, which occurs as the fabric is used.
5. Due to friction against the fabric, colourants can migrate from darker to brighter fabrics.
6. Long-term exposure to sunlight can cause discolouration.
7. According to ISO 13936, the proper thickness of the bead is 33-35 of the stitching per 10 cm of the fabric with the minimum distance of the stitching from the edge of the fabric of at least 1.5 cm.
8. It is assumed that depending on the type of fabric, resistance to abrasion within the scope of 2,000-4,000 Martindale cycles corresponds with the period of 1 year of the proper use of the fabric.