

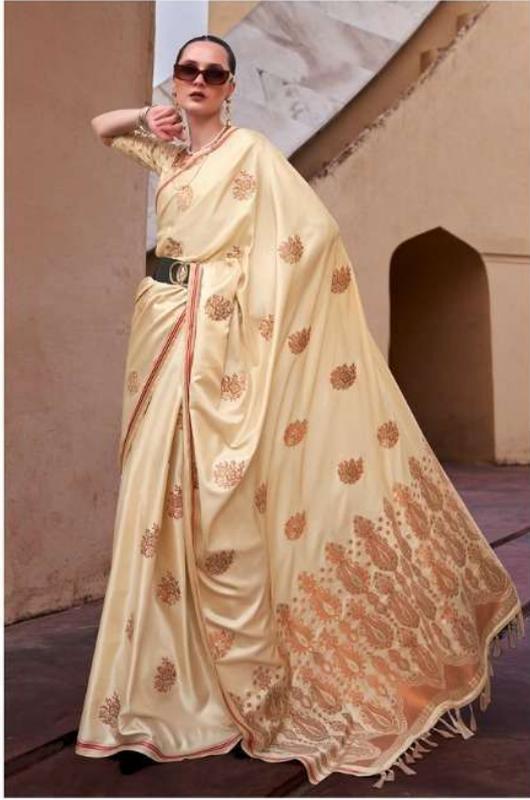
RAJATH[®]
"The Secret of Style"

SATIN SILK

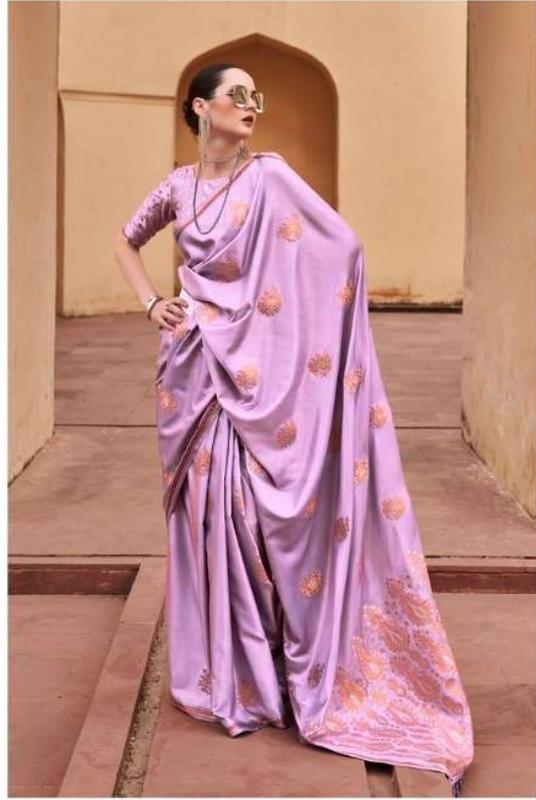
171005







171001



171002



171003



171004

RAJATH[®]
"The Secret of Style"

SATIN SILK

171005





171005



171006

RAJPATHTM
"The Secret of Style"

SATIN SILK

Silk is considered as one of the finest and delicate natural fibers suitable for the construction of textile products with elegant look, lustrous appearance, gorgeous glaze, and elegant drapeness likewise with rich quality. However, silk is sensitive for various chemicals so that it could be easily damaged. Hence, it is evident that silk should be protected so as to accommodate the necessary characteristics in the end use products. In this context, in this research work plain woven mulberry silk fabric was chosen which was further processed with basic treatments and treated with polyacrylic acid and chitosan and then dyed with some selected natural sources and reactive dye. The treated and dyed silk fabrics were then subjected for different testing parameters such as measuring physical properties, K/S value, fastness properties, absorbency characteristics, anti-odor behavior, SEM, and XRD analysis. The results obtained from this study convince the suitability for the conventional garment/apparel end-use products including the medical textiles.





RAPATH[®]
"The Secret of Style"

SATIN SILK

Silk is considered as one of the finest and delicate natural fibres suitable for the construction of textile products with elegant look. Intense appearance, gorgeous glow, and elegant drapability distinguish silk from synthetic fibres. However, silk is sensitive for various chemicals as they are made by acids. Hence, it is advised that silk should be protected as far as possible from the secondary contaminants in the end use products. In this context, in this research study plain saree samples of silk fabric was chosen which was further processed with heavy formalin and treated with papaverine and chlorine and then dyed with some selected natural dyes and synthetic dye. The treated and dyed silk fabrics were then subjected for different testing parameters such as tensile strength, elongation, tear strength, bursting strength, abrasion, dimensional stability, etc. The tensile, GSM, and ESD analysis. The results obtained from this study confirm the suitability for the conventional garments and use products including the medical devices.



RAJATHTM
"The Secret of Style"

SATIN SILK

171004











RAJATHTM
"The Secret of Style"

SATIN SILK

171003



RAJATHTM
"The Secret of Style"

SATIN SILK

171006







RAJATHTM
"The Secret of Style"

SATIN SILK

171001

