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(57) Abstract :

ABSTRACT ANTI-COLOUR BLEEDING FABRICS FOR DIGITAL IMAGING APPLICATIONS The invention relates to Anti-Colour-Bleeding Fabrics engineered for enhanced performance in digital imaging environments. The fabric comprises a controlled multi-fibre blend of natural, regenerated, and synthetic fibres combined with a yarn-dyed colour architecture to reduce flat, high-saturation zones. An engineered weave or textured surface, such as bouclé or matte utility structures, diffuses incident light and minimizes chromatic artefacts including colour spill, saturation bleed, and hue distortion. Surface finishing enhances optical diffusion while maintaining comfort and drape. The invention provides camera-stable, visually vibrant textiles suitable for photography, videography, broadcasting, film production, e-commerce imaging, and AR/VR applications without requiring external correction.

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