

Atmospheric Plasma Treatment to Improve Water and Oil Repellent Finishing for PET and PET/Spandex Fabrics

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Abstract : In this study, the effects of an atmospheric plasma treatment on the durability of water and oil repellent finishes of PET and PET/Spandex fabrics were tested. Fabrics were treated with a low-frequency atmospheric pressure glow discharge. After plasma treatments, the water and oil repellent finishes were applied using pad-dry-cure method. It was observed that plasma treatments improved the durability finish for all fabrics.

Keywords : atmospheric plasma, durable coating, oil repellency, PET/spandex fabrics, water repellency

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