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Title: Hydrophobicity attainment and wear resistance enhancement on glass substrates by atmospheric plasma-polymerization of mixtures of an aminosilane and a fluorocarbon

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- 1 • APTES and PFH were used to coat glass by non-thermal atmospheric jet plasma.
- 2 • A mixture of 75% of APTES and 25% PFH produced the best sample of this work.
- 3 • Hydrophobicity was achieved by changes in surface morphology and chemistry.
- 4 • Wear resistance was enhanced by the formation of siloxane groups.
- 5

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