

Abstract

Disclosed are hybrid organic-inorganic siloxane polymer compositions that combine properties of hydrophobicity and oleophobicity which make them suitable for use as anti-smudge/easy-to-clean and antireflection coating layer on the device substrate. The coating comprises a polymer having silicon, oxygen and carbon in the backbone, and further optionally comprises fluorine. The coating has a water of contact angle of 65 degrees or more, an oil contact angle of 20 degrees or more, and a pencil hardness of 7H or more.