



Aim of the Work

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Preparation of some insulated greases and improve their dielectrical properties (volume resistivity, dielectric constant and dielectric loss) and physico – chemical properties (viscosity, dropping point, penetration, water resistance and flash point) by adding different quantities of any of the following: polyethylene, atactic polypropylene, polyvinyl chloride, plasticized PVC, atactic polypropylene including [poly(1-octadecene–co-maleic anhydride) bis behanate ester, poly(1-octadecene–co-maleic anhydride) bis stearate ester, and ethylene glycol bis stearate ester], butyl rubber, isoprene rubber, bitumen, ultramarine, silica from rice husk, nano-kaolin, nano talc, sodium silicate on the wax gel (base lube oil, transformer oil and microcrystalline wax, antioxidant and anticorrosion additives).