

Influence of particulate fillers on complex of dielectric properties of rigid and plasticized PVC compositions

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Abstract

The article discloses efficiency of modifying the polyvinyl chloride by organic and mineral fillers being the wastes of various industrial productions. Main dielectric properties of rigid and plasticized compositions were examined, for different combinations and ratios of modifying additives. The article displayed how the particulate fillers nature and composition influence on character and intervals of dielectric behavior modification. The results of researches were interpreted with consideration of structural-morphological composition of polyvinyl chloride, of modifying additives' nature, content and ratio. © IDOSI Publications, 2014.

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Keywords

Compositions, Dielectric properties, Fillers, Modification, Polyvinyl chloride, Structure