

Title of the Abstract: Synergistic effects of Antioxidants (AO) on Properties of Homo Polypropylene

Author Name:Mazen Ageely
Affiliation:Pterorabigh co.
University:KAAU
Country: Saudi Arabia

Abstract:

Antioxidants (AO) are used to protect the polymer from deterioration either during extrusion or after production. Probably two types of Antioxidants are used to protect polymer, primary antioxidant (phenol type) and secondary antioxidant (phosphate type). The performance ratio of both the antioxidants is depend on process technology and processing conditions. To understand the effect of each antioxidants on HomoPP, different samples at different AO dosage were extruded. Relevant product properties such as mechanical, physical and rheology were measured. The test result obtained elucidates that the polymer recipe is a balance of additives to meet the requisite end product properties under the employed processing conditions.

Biography:

Graduated from king Abdul Aziz University, B.SC Chemistry. Began his career in 2004 as Chemist from food to petrochemical industries in Quality Control Laboratory. In 2009 joined PetroRabigh as Chemist in Product development center. I have eleven years total experience. Currently, he is lead chemist in Marketing & Product development with responsibilities of continuous monitoring with an emphasis on the, Polypropylene (hPP, & bcPP), HDPE (Injection & BM) products, enhance product quality and develop new grade as per market and customers demand

Research Interests: polymer development
References:
Mail Id: Mazen.aqily@petrorabigh.com
Contact Number: 00966538624254
Suggestions of colleagues/Professors/scholars to send invitation (if any)
Suggestions of Sessions in the conference (if any)