



كرسي سابك لأبحاث البوليمرات
جامعة الملك سعود - عمادة البحث العلمي

يقدم حلقة علمية و ورشة عملية متخصصة في

أساسيات خلط وتركيبات البوليمرات

١١ - ١٣ جمادى الأولى ١٤٢٨ هـ

**The SABIC Polymer Chair at
King Saud University**
Deanship of Scientific Research

Presents Scientific Seminar and hands-on Workshop on

Basics of Polymer Compounding and Blending

28-30 May 2007

Workshop Schedule

First day

08:00 - 08:30	Registration and Kick off
08:30 - 09:40	Characteristics of Polymers
09:40 - 10:00	Refreshment
10:00 - 12:00	Polymer Groups
12:00 - 01:00	Prayer
01:00 - 02:00	Types of additives and Fillers
02:00 - 03:00	Benefits of additives and Fillers

Second day

08:00 - 09:00	Polyethylene Types ^[1]
09:10 - 10:10	Polypropylene Grades ^[2]
10:10 - 10:30	Refreshment
10:10 - 10:30	PVC Compounds
12:00 - 01:00	Prayer
01:00 - 02:00	Compounding Equipment
02:10 - 03:00	Basic Compounding Processes

Third day

08:00 - 09:30	Hands-on workshop
09:30 - 09:45	Refreshment
09:45 - 12:00	Hands-on workshop
12:00 - 01:00	Prayer
01:00 - 02:00	Troubleshooting of the Compounding Process
02:10 - 03:00	Troubleshooting
03:00 - 03:30	Closing Remarks, Distribution of certificates

Instructors

Dr. Rabeh Elleithy is the chair professor of SABIC Polymer Research at King Saud University. He brings more than 20 years of experience in the polymer field. He spent 10 years in industry working at PolyOne Corp and BASF Corporation in the USA. He managed the polymer mechanics lab and helped customers to solve their material related problems. He spent 10 years in academia in universities like Case Western Reserve University & Tuskegee University in the USA.

Eng. Abdallah Abou-Haidar ^[1] is a licensed professional engineer who brings 20 years of experience in the polymer field. He currently works at SABIC in the Customer Technical Support Center in Riyadh.

Dr Azzedine Kioul ^[2] has over 14 years of experience in the field of polymer research and applications of polyolefins. He works at SABIC in the polypropylene customer technical support group.

Eng. Husam Allan ^[3] holds a M.Sc. in chemical engineering. He has more than 5 years experience in the PVC field. He is a technical support engineer at SABIC in their PVC group.

Objectives of Workshop

The general objective of this seminar and workshop is to provide the current plastic industry personnel with the essential knowledge that they need regarding the basics of polymer compounding and blending.

The specific objectives of the polymer section of this seminar are to:-

- Understand the nature of the polymeric materials.
- Recognize the different groups of polymers.
- Comprehend the role of additives and fillers on compounds structure and properties.
- Explain the fundamentals of PE, PP, and PVC blends and compounds.

The specific objectives of the compounding workshop are to:-

- Illustrate the art behind compounding which will bridge the gap between theory and practice.
- Offer the attendees a practical experience of the compounding process.
- Present the attendees with a practical session on sample making and preparation.
- Demonstrate the basics of compound characterization and its significance.

Expected Participants

Due to the importance of the topics, participants such as: Polymer Engineers, Foremen, Operators, Managers, or any person who wants to expand his knowledge about polymer compounding and blending should attend the workshop.

Introduction

One of the objectives of SABIC Polymer Research Center at King Saud University is to offer the polymer industry personnel with the solutions that they need to enable them to perform their jobs better and with higher efficiency. Stemming from this objective, we are pleased to introduce this 3-day seminar and workshop on the basics of polymer compounding & blending. The seminar will cover the basics of the polymeric materials, additives, fillers, and the compounding process. Examples of PE, PP, and PVC blends and compounds will be discussed. The workshop will provide the attendees with hands-on experience of the compounding process, making samples, and characterizing the compounds. This seminar is a must for anyone who wants to succeed in the polymer Compounding field. Certificates of participation will distributed to the attendees at the end of the seminar.

جدول المحاضرات والأنشطة العملية

اليوم الأول،	
التسجيل والافتتاح.	08:30 - 08:00
خواص البوليمرات	09:40 - 08:30
استراحة ومرطبات.	10:00 - 09:40
ما هي الأنواع المختلفة من البوليمرات؟	12:00 - 10:00
صلاة الظهر	01:00 - 12:00
شرح الأنواع المختلفة من الإضافات	02:00 - 01:00
فائدة الإضافات على خواص البوليمرات	03:00 - 02:10
اليوم الثاني،	
أنواع البولي إيثيلين	09:00 - 08:00
البولي بروبيلين وأنواعه	10:10 - 09:10
استراحة ومرطبات..	10:30 - 10:10
مركبات البولي فينيل كلوريد	12:00 - 10:30
صلاة الظهر	01:00 - 12:00
أجهزة خلط البوليمرات	02:00 - 1:00
عمليات خلط البوليمرات	03:00 - 02:10
اليوم الثالث،	
ورشة عملية	09:30 - 08:00
استراحة ومرطبات.	09:45 - 09:30
ورشة عملية	12:00 - 09:45
صلاة الظهر	01:00 - 12:00
أهم المشاكل في خلط البوليمرات	02:00 - 01:00
إختبار مركبات البوليمرات	03:00 - 02:10
توديع المشاركين وتوزيع الشهادات	03:30 - 03:00

Registration Form

نموذج التسجيل

كرسي سابك لإبحاث البوليمرات
جامعة الملك سعود

أساسيات خلط البوليمرات ومركباتها
Fundamentals of polymer Compounding
and Blending

١٣-١١ جمادى الأولى ١٤٢٨ هـ

فضلاً . أتملاً المعلومات و أرسلها بالبريد أو الفاكس أو البريد الإلكتروني إلى اللجنة المنظمة
Please fill in the information and send to organizing committee

Participant Information

معلومات المشارك

Name: الإسم:
Occupation: الوظيفة:
Specialty: التخصص:
Company: جهة العمل:
Mailing Address: العنوان البريدي:
.....
.....
.....
E-mail: البريد الإلكتروني:
Tel.: هاتف:
Fax: فاكس:
Date: التاريخ:

تأمل إعادة هذا النموذج مع شيك بقيمة ٤٠٠٠ ريال باسم عميد البحث العلمي،
جامعة الملك سعود ، ص.ب. ٨٠٠ ، الرياض ١١٤٢١
لمزيد من المعلومات يرجى الاتصال على هاتف: ٤٦٧٦٨٥٠ أو فاكس: ٤٦٧٨٧٧٠

For more information please contact Tel: 4676850 or Fax: 4678770

For any technical information please contact: Professor Saeed

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