

MMP602 - Structure and Properties of Plastics *

Hours: 40 hours **

Starts: March 20, 2021 ***

End: May 20, 2021 ***

Menu: Structure of polymers: constitution, ramifications, molecular weight, crystallinity, etc. Thermal properties: Tg and crystalline fusion. Mechanical properties: modulus, elongation, resistance to tension and impact. Optical properties: brightness, transparency and opacity. Electrical properties. Chemical properties and degradation. Relationship between structure and property of the main polymers, engineering plastics and thermosetting.

* The course will be offered according to observations related to CEPG Resolution number 07, of July 3, 2020.

** Exceptionally, the total workload of the discipline will be divided between synchronous activities and asynchronous. The synchronous activities of the discipline will be held on Saturdays and Tuesdays. On Saturdays minimum charge will be two hours (2h). When on business days, synchronous activities will be performed preferably after 7 pm and with a charge not exceeding two hours (2 am).

*** The start and end date is subject to change in the course of activities.



Agente clarificantes

• Agentes nucleantes altamente eficientes para PP, capaz de produzir garrafas de alta transparência, semelhante a PET.

• Milliken Chemicals - Millad® 3988
1,3:2,4-bis(3,4-dimetilbenzilideno)solbitol

PPaM - Design de preformas de PP e desenvolvimento de processos de produção de garrafas transparentes de (PPreX solutions)

