



UNIVERSITY OF NAPOLI "FEDERICO II" POLYTECHNIC AND SCIENCE SCHOOL

Department of Chemical Sciences





Cooling (40°C/min)

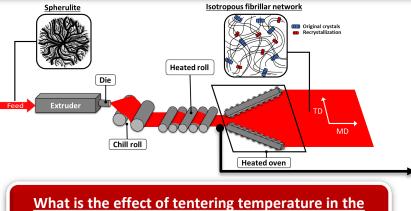
Ph.D. School in Chemical Sciences (XXXVII Cycle)

Second year activity

Heating (10°C/min)

Cooling (10°C/min)

Biaxial orientation improves film properties, and it could allow to replace multilayer technology with new well-designed PE-based monomaterials



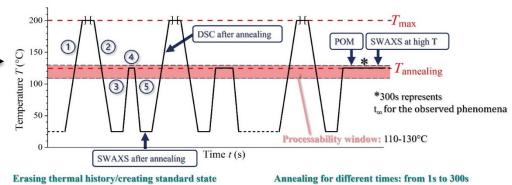
What is the effect of tentering temperature in the early stages of the process?

Aim: Understanding the effect of processing parameters on the structural evolution of PE since the early stage.

PER-MANENT

A microstructural insight in <u>PolyE</u>thylene based bio<u>Riented mono-MA</u>terials: from fu<u>N</u>dam<u>ENT</u>al to processing

Ph.D. Student: Adriano Guida



Heating (40°C/min)

Isotherm at Tannealing