



Structural Analysis

CRYSTALLOGRAPHY AND STRUCTURAL ANALYSIS

KEY WORDS

CRYSTALLINE
PHASES,

DEGREE OF
CRYSTALLINITY,

STRUCTURAL
ARRANGEMENT

DESCRIPTION

IJL - CC Xgamma (Institute Jean Lamour - X-Gamma Competence Center) has the ability to analyze the crystal structure and molecular organization of polymers, including the identification of crystalline phases, the determination of the degree of crystallinity, and the evaluation of structural heterogeneity. These analyses allow for the investigation of relationships between structure and properties, and the evaluation of the effects of processing, formulation, recycling, and aging on the structure of polymers.

APPLICATIONS

Virgin and bio-based polymers, polymer-based composite materials

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