



# Plastic Materials Characterization

## COMPLETE CHARACTERIZATION OF POLYMER PHYSICOCHEMICAL PROPERTIES

### KEY WORDS

POLYMER  
CHARACTERIZATION,  
MATERIAL  
IDENTIFICATION,  
STRUCTURE-  
PROPERTY  
RELATIONSHIP

### DESCRIPTION

Identification and characterization of polymeric materials  
Separation of components and additives by physicochemical methods: identification and quantitative analysis  
Evaluation of the degree of cross-linking of gums, adhesives and various cross-linked materials  
Studies of the relationship between the final properties of plastic materials / structure / processing  
Failure analysis of plastic materials

### APPLICATIONS

Polymer identification  
Additive análisis  
Crosslinking evaluation  
Structure–property correlation  
Processing optimization  
Quality control testing  
Material comparison studies  
Reverse engineering  
Product development support  
Failure diagnosis  
Raw material verification  
Industrial troubleshooting  
Research and development support

### CONTACT US

[ott@plapiqui.edu.ar](mailto:ott@plapiqui.edu.ar)  
[Universidad Nacional del Sur](http://Universidad Nacional del Sur)