



Mechanical Performance Analysis

EVALUATION OF MATERIAL BEHAVIOR UNDER
MECHANICAL INDICATORS

KEY WORDS

MECHANICAL
BEHAVIOR,
PROPERTIES,
MATERIALS STUDY

DESCRIPTION

Mechanical testing allows for the analysis of properties such as tensile strength, hardness, flexural strength, and impact resistance of polymers, facilitating the evaluation of the performance of plastic materials. Furthermore, we have the capability to design specific additives and testing accessories, tailored to the needs of each material or product. This flexibility enables us to support producers of plastic containers, packaging, and components in the continuous improvement of materials, processes, and applied innovation.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Shredder
- Universal Testing Machine (UTM)
- Machining Center
- Plastic Injection Molding Machine
- Thermoforming Machine

APPLICATIONS

- Containers, packaging and plastic-based items

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