



Compatibility Study Between Plastics

COMPATIBILITY ANALYSIS OF PLASTIC WASTE FOR MATERIAL TESTING

KEY WORDS

VALUATION,
PROPERTIES,
THERMAL BEHAVIOR

DESCRIPTION

Ability to analyze the behavior of plastic waste aimed at determining functional properties, potential applications and key aspects for its reuse. Compatibility assessment between plastic types, Polyethylene terephthalate (PET), High-density polyethylene (HDPE), Low-density polyethylene (LDPE), Polypropylene (PP), Polystyrene (PS), and Polyvinyl chloride (PVC) to obtain a recycled resin base suitable as a substitute input in manufacturing processes. Ideal for Small and Medium-sized Enterprises (SMEs) and Research and development (R&D) projects seeking to validate blends, improve product quality, reduce costs, and promote local production of recycled byproducts compared to virgin raw materials.

APPLICATIONS

Production of various plastic products for construction, consumer goods, packaging, textile fibers, domestic use, among others.

CONTACT US

direccioninvestigacionytc@ucentral.edu.co

Universidad Central