

#1306

Plastic WEEE Recycling

ADDED VALUE TO PLASTIC WASTE FROM ELECTRICAL AND
ELECTRONIC EQUIPMENT

DESCRIPTION

Tailored recycling strategies for blends of High Impact Polystyrene (HIPS)/Acrylonitrile Butadiene Styrene (ABS) from WEEE with and without compatibilization. Added value by mechanical performance improvement. This recycled material can directly replace starting HIPS or ABS used in electronic equipment.

APPLICATIONS

Plastic waste management | Base material for Electrical and Electronic housings | Public lighting | Car lights | Optical housings |

ADVENTAGES

- Recyclers profit improvement
- Avoids the separation by plastic type
- Labor costs reduction
- Plastic waste minimization
- Sustainable benefits
- Easy processability

DEVELOPMENT STATUS

Semi-industrial and pilot scale.

RESEARCHERS

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