



Input material:

Thermoplastic and plastic waste

- Mix plastic with similar melting point
- PE from washing line, PE, PVC, PP, EPS, Tetrapack scraps Al+PE or mix of different polyolefin plastics

Capacity:

Up to 1.500 kg/h

It depends mainly on the characteristics of the input plastics and on the required density of the product.

Products:

Melted plastic

- Output size : from 25 to 60 mm.
- Water content < 1%
- Completely melted and homogenized.

Plastic melted output

Plastics (LDPE, HDPE, PP, EPS, PVC, poly laminated scraps Al+PE, etc.)

PROMEKO PLASTIC DENSIFIER

AGGLOMERATOR FOR MIXED WASTE PLASTICS, WASHED LDPE

The PES Densifier the simplest and most efficient solution for plastic densification and agglomeration.

The flexibility of the system allows to process :

- Mixed plastics as scraps, industrial & commercial and waste plastics
- Plastics (PE, HDPE, EPS, PP, PVC as foil shredded, powder or similar)

The PES can handle the difference of feedstock composition automatically in the best way. The direct combination of the PES and the traditional Extruder allows the optimal feeding of the material to the single shaft shredder and grants the homogeneity of the production.

The control system, based on the PLC logic, continuously checks the most important parameters as current and temperature on the plate of the machine and then arranges the working process automatically.



Advantages:

- Mixing and homogenization of different polymers
- Homogenous and continuous melting
- Output product completely dry
- Degassing on Promeco Extruder System and therefore not necessary in the traditional extruder
- Shortened melting time
- Few machines to install and manage, reduction of investment costs
- Reduced footprint of the equipment
- Low power consumption (~0,092 kW/kg of input plastic)

