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## Product Data Sheet

**Product Code :** F2-FP-01-GR-CN-90-FI

(short code 7822)

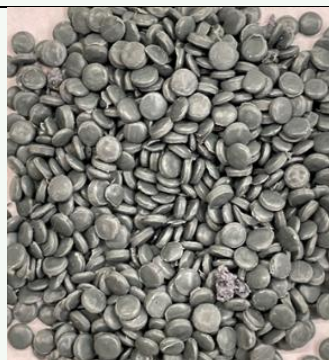
**Polymer composition :** (LL)LDPE > 93% / PP < 3 %

**Product Description :**

A mixture of colored post-consumer low density polyethylene supplied in pellet form and is additivated to increase shelf life. It originates from pre-sorted municipal (household) waste containing mostly PE film.

**Application :** used for the production of blown film

It is not intended for use in food contact, water contact, pharmaceutical and medical applications.



### General Characteristics

**Form :** Granules

**Size :** 4 +/- 0.5 mm

**Filtration :** 120 µm

**Color :** Grey-green

**Packaging :** Preferably delivered in 25 ton bulk. Big bags are possible.

*Due to the nature of recyclates, some variation in product properties can be observed between batches. For that reason average values are indicated.*

### Physical & Mechanical Characteristics

**Density :** 846 kg/m<sup>3</sup> (ISO 1183)

**Melt Mass-Flow Rate (MFR) :** 0.70 g/10 min (ISO 1133 - 190°C/2.16 kg)

Film Characteristics (50µm) :

**Tensile Modulus :** MD 260 MPa / TD 248 MPa (ISO 527-3)

**Tensile Strength (at break) :** MD 15 MPa / TD 11 MPa (ISO 527-3)

**Tensile Elongation (at break) :** MD 381 % / MD 386 % (ISO 527-3)

**Tear resistance :** MD 6N / TD 12N (ISO 6383-1)

**Dart Drop Impact :** 50g (ISO 7765-1)

### Other Characteristics

**Melting Point (L)LDPE :** 110 – 125 °C (ISO 11357-1)

**Melting Point PP :** 163 – 164 °C (ISO 11357-1)

**Ash Content :** 2,1 % (ISO 3451)

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