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Product Data Sheet

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

Ordering Code : 5814

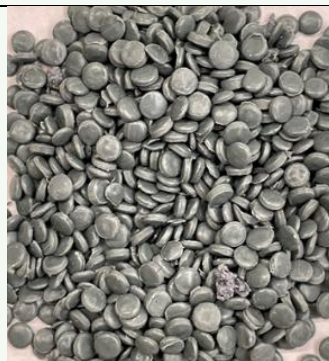
Polymer composition : (LL)LDPE > 93% / PP < 3 %

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 (code 5814-BU). Big bags are possible (code 5814-BB)

Shelf Life : 6 months from production date (under storage conditions specified in the applicable Material Safety Data Sheet)

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/m³ (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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