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Product Data Sheet

Product Code : F2-FP-01-GR-NN-90-IN

Ordering Code 5812 (replaces 7821)

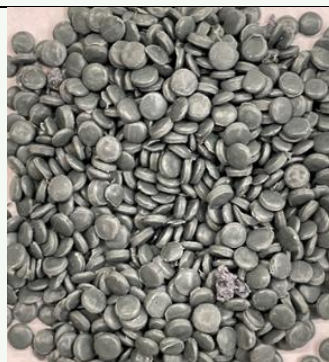
Polymer composition : (LL)LDPE > 93% / PP < 3 %

Product Description :

A mixture of colored post-consumer low density polyethylene supplied in pellet form and not additivated. It originates from pre-sorted municipal (household) waste containing mostly PE film.

Application : used for injection moulding.

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

Packaging : Preferably delivered in 25 ton bulk (code 5812-BU). Big bags are possible (code 5812-BB)

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 : 914 kg/m³ (ISO 1183)

Melt Mass-Flow Rate (MFR) : 0.88 g/10 min (ISO 1133 - 190°C/2.16 kg)

Residual moisture (30 min/100°C) : < 0.30 %

Tensile Modulus : 277 MPa (ISO 527-1)

Tensile Strength (at break) : 15.4 MPa (ISO 527-2)

Tensile Elongation (at break) : 309 % (ISO 527-2)

Flexural Modulus : 371 MPa (ISO 178)

Impact Strength (Charpy Test) at 23°C : 70 kJ/m² (ISO 179)

Impact Strength (Charpy Test) at -15°C : 39 kJ/m² (ISO 179)

Other Characteristics

Melting Point (L)LDPE : 110 – 126 °C (ISO 11357-1)

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

Ash Content : 2,1 % (ISO 3451)

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