



Fromto Beringen NV
Europark 1075 BE-3530 Houthalen-Helchteren
BTW BE0764.409.686
info@ecoo.eu | +32 11 45 41 46 | www.ecoo.eu

Product Data Sheet

Product Code : F2-FP-01-GR-NN-90-IN
(short code 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. 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 : 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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