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Product Data Sheet

Product Code : F2-FP-04-GR-NN-80-IN

Ordering Code : 5616 (replaces 7826)

Polymer composition : (L)LDPE > 89% / PP < 11 %

Product Description : A mixture of colored post-consumer low density polyethylene and other polyolefins supplied in pellet form, without additives. 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 +/- 0,5mm

Filtration : 400 µm

Color : Grey

Packaging : Preferably delivered in 25 ton bulk (code 5616-BU). Big bags are possible (code 5616-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 : 955 kg/m³ (ISO 1183)

Melt Mass-Flow Rate (MFR) :

0.80 g/10 min (ISO 1133 - 190°C/2.16 kg)

2.93 g/10 min (ISO 1133 - 190°C/5 kg)

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

Tensile Modulus : 322 MPa (ISO 527-1)

Tensile Strength (at break) : 15.8 MPa (ISO 527-2)

Tensile Elongation (at break) : 302 % (ISO 527-2)

Flexural Modulus : 332 MPa (ISO 178)

Impact Strength (Charpy Test) at 23°C : no break (>64 kJ/m²) (ISO 179)

Impact Strength (Charpy Test) at -15°C : 19,9 kJ/m² (ISO 179)

Other Characteristics

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

Melting Point PP : 160 – 164 °C (ISO 11357-1)

Ash Content : 2,7 % (ISO 3451)

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