



Chem Source Egypt

PE 002

Product description

PE 002 is a calcium carbonate filling material containing $80 \pm 2\%$ very fine particle size and excellent whiteness calcium carbonate powder and 20% polymer.

Physical Form

White color pellets

PE 002 is delivered free granulated pellets and will not produce dust or fines during handling or storage.

Product Features:

As PE 002 is produced with ultra-fine coated calcium carbonate it provides better mechanical properties to the film, it has good ink adhesion, low COF, and stronger heat seal strength

PE 002 leads to increase the productivity and improve the polymer processing, since the additional of calcium carbonate result in increase volumetric output and adding of plasticizer with lubricants will lead to improve the extrusion and injection process.

PE 002 allows faster melting during extrusion and quicker cooling of the extruded or molded product

Applications:

PE 002 is LLDPE base polymer and the Maximum particle size of the Calcium Carbonate is $6 \mu\text{m}$ which is especially for blown film, injection molding, blow molding for both PE and PP as well (mostly used by raffia producers).

Technical Data

CaCO ₃ Type	Ground calcium carbonate
Fe ₂ O ₃	0.01 % maximum in CaCO ₃
CaCO ₃ medium particle size	2 μm
CaCO ₃ Max. particle size	6 μm
Polymer carrier	LLDPE
Density	1680kg/m ³
MFI	3 - 4 gm/10min
Moisture contain	< 0.1%

Recommended Dosage

PE 002 addition: 10-20%.

PE 002 can be used with the thin film, blow molding and injection molding applications

Packing

In 25 Kg laminated PP bags on 1200 Kg pallet

Storage

Storage in cool and dry condition for the best effect.

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