

**Go green and
save money!**

Use Filolen®
Ground Calcium Carbonate (GCC) Masterbatches

For Thick Wall Extrusion and Thermoforming Applications:

PP and PS Sheet Extrusion & Thermoforming (disposables, dairy packaging, food trays, pots etc)
PE and PP Pipes & Profiles
PP Straws & PP Cotton Buds

End Product Benefits

- Savings in polymer cost
- Lower shrinkage and improved dimensional stability of extruded and thermoformed product
- Down gauging possible without loss of properties
- Higher stiffness
- Increased opacity. Savings in white pigments
- Soft touch, velvet-handle effect Applies especially to products containing finer calcium carbonate

Processing Benefits

- Increased extruder throughput
- Faster heating in the extruder
- Improved PP melt behaviour during thermoforming
- Improved stability and faster cooling of extrudate
- Faster cooling in thermoforming molds, increased productivity
- Improved PP melt behaviour and forming accuracy during thermoforming
- Processing of PP on PS thermoforming machines

Environmental Benefits

- Reduced carbon footprint
- Lower energy requirements due to the high thermal conductivity of GCC

What Makes Filolen® Special

- Exceptionally low abrasivity for longer service life of screws, barrels, and cutting equipment. Surface coated GCC contained is graded 2.5 on the Mohs scale.
- Superb dispersion quality for trouble free processing and best mechanical properties.
- Excellent whiteness due to the GCC used
- High purity. Extremely low Fe₂O₃ content (0.02% max in the GCC)

Range of Filolen® Masterbatches for Thick Wall Extrusion and Thermoforming Applications

FX1750

The top performer of Filolen products Aims at the most demanding applications

Contains 75% super fine coated GCC (median particle size 1.9µm) in a specially selected ethylene copolymer carrier.

Maximum improvement in mechanical properties, impact and tear strength, and flexibility due both to the small particle size of calcium carbonate and the polymer used

Polymer carrier offers very low temperature brittleness to the final product, a very important property for certain thermoformed products

Best softness and smoothness, due to carrier polymer and GCC used

Exceptional whiteness

Little or no weight increase due to the GCC small particle size

Compatible with PE, PP, PET and PS

Highest possible usage in all applications

Usage 5 - 50% depending on thickness of the extruded product and mechanical properties required.

FX-0800

Contains 80% fine coated GCC (median particle size 3.9µm) in a specially selected ethylene copolymer carrier.

Polymer carrier offers increased flexibility, impact strength and very low temperature brittleness to the final product, very important properties for thermoformed products

Softness and smoothness are improved both by calcium carbonate and carrier polymer

Compatible with PE, PP, PET and PS

Usage 5 - 30% depending on film thickness and mechanical properties required.

FP-0800

Contains 80% fine coated GCC (median particle size 3.9µm) in a polypropylene copolymer carrier.

Recommended especially for PP applications. Higher stiffness of final product as compared with other Filolen products

Usage 5 - 50% Highest loadings are suggested for PP thermoforming

FL-0800

Contains 80% fine coated GCC (median particle size 3.9µm) in LLDPE.

Recommended for PE and PP applications

Usage 5 - 25%

FE-0800

Contains 80% fine coated GCC (median particle size 3.9µm) in LDPE.

For maximum economy Good flexibility

Recommended for PE and PP applications

Usage 5 - 25%



QUALITY MANAGEMENT
EN ISO 9001:2015
Reg. No.: 078232 QM
OCCUPATIONAL HEALTH
AND SAFETY MANAGEMENT
OHSAS 18001:2007
ELOT EN 1801:2008
Reg. No.: 078232 OH

