

Felix Compounds Calcium Carbonate

Polypropylene

Felix Compounds

Message:

Reinforced thermoplastic compounds are products that have excellent mechanical, physical and thermal properties. Their rigidity, resistance to shock and scratches, to chemical products and UV rays, as well as the ease of transformation of the material through molding, are but a few points to take into consideration in the choice of the material that will correspond to the requirements of your application: polypropylene (PP), polystyrene (PS), polyethylene (PE), different mineral charges (CaCO₃, talc, mica) and other materials (glass fibre).

Calcium Carbonate

This is the basic category for this class of products. Charged from 20 to 50%, the material has very good mechanical properties, is chemically stable when undergoing UV radiation and has a controlled color.

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Filler / Reinforcement | Calcium Carbonate | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.938 to 1.35 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 0.50 to 30 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 17.2 to 20.7 | MPa | ASTM D638 |
| Flexural Modulus | 124 to 1930 | MPa | ASTM D790B |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 64 to 110 | J/m | ASTM D256A |
| Additional Information | Nominal Value | Unit | |
| Filler Content | 5.0 to 50 | % | |

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Recommended distributors for this material

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