

# Felix Compounds Mica

Polypropylene + Polyethylene

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 (CaCO<sub>3</sub>, talc, mica) and other materials (glass fibre).

Mica

For this category of products, it is easy to obtain good mechanical properties as well as surface finishes that imitate natural marble. The color and size of mica is up to the customer.

| General Information                       |               |                   |             |
|---|---------------|-------------------|-------------|
| Physical                                  | Nominal Value | Unit              | Test Method |
| Specific Gravity                          | 0.958 to 1.37 | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10 to 25      | g/10 min          | ASTM D1238  |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Tensile Strength                          | 13.8 to 24.1  | MPa               | ASTM D638   |
| Flexural Modulus                          | 1380 to 2410  | MPa               | ASTM D790B  |
| Impact                                    | Nominal Value | Unit              | Test Method |
| Notched Izod Impact                       | 59 to 130     | 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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