



## **Talc-filled Polypropylene Compound (PP-Talc)**

### **Description**

The combination of polypropylene and talc powder at various weight percentages creates an optimized and improved compound. Talc powder enhances properties in polypropylene, making it a versatile and cost-effective compound used in various industries for producing high-quality products. We produce PP-Talc compounds with different weight percentages (20% to 40%) to meet various need.

### **Applications**

- Electronic components
- Plastic films
- Injection-molded parts
- Construction materials

### **Features**

- Cost effective
- Excellent moldability
- High impact resistance
- High heat resistance
- Lightweight
- High tensile and creep resistance
- Chemical resistance



## Physical Properties

Property	Typical Value (Data should not be used for specification work)	Test Method
Density	38-41 g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2.16 kg)	7-13 g/10min	ISO 1133
Filler Content	20-40 %	ASTM D1603
CaCO <sub>3</sub>	≤5	ISO 3451
Hardness	60 ≤	ISO 868
Tensile Strength at Yield (MD/TD)	16 ≤ MPa	ISO 527
Tensile Strength at Break (MD/TD)	14 ≤ MPa	ISO 527
Water Content	0.2 ≥ %	ISO 15512

## Processing Techniques

We also make tailor made compounds as per desired technical properties. -Compound can be obtained in desired colors. Pre-drying: The Compound should be dried 70 °C for 30 min in hopper to its use. Extrusion Temperature Conditions: As a general guideline, the following temperature profile is recommended:

ZONES	Zone-1	Zone-2	Zone-3	Zone-4	Zone-5	Zone-6
Temperature	190°	200°	210°	215°	220°	230°

## Packaging

Package options: 25kg bags.

## Storage

PP Homopolymer materials will become degraded by excessive moisture during the injection molding process. For unopened bag/box, dry at 60°C for 1-2 hours. For material exposed to the atmosphere, if additional drying is needed, dry at 66°C or until the moisture level is between 0.04 - 0.20%. More information on storage is found in the Safety data sheet (SDS) for this product.

## Safety

Safety Check and follow local codes and regulations! Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product. For more information, please contact our Sales Team.