



Technical Datasheet

Product: Polypropylene Filled With 50% Talc

Grade: C1PP-50T-G

Product Description:

C1PP-50T-G is a polypropylene filled with 50% talc. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. Its main application is injection molding process.

Applications:

- Home appliance.
- Automotive plastic parts.
- Electrical goods.

Appearance:

Polymer Host	PP
Appearance	Granule
Color	Gray
Talc Content	50%

Physical, Mechanical and Thermal Properties:

Properties	Unit	Value	Standard
MFI (230°C , 2.16 Kg)	g/10min	16.5	ASTM D1238
Specific Gravity	g/cm ³	1.27	ASTM D792
Tensile Strength (5 mm/min)	MPa	19	ASTM D638
Elongation @ Break (5 mm/min)	%	14	ASTM D638
Flexural Modulus	MPa	2050	ASTM D790
Izod Notched Impact Strength (23 °C)	KJ/m ²	10	ASTM D256
Vicat Softening Point (50KN , 120°C/hr)	°C	120	ASTM D1525

Processing Temperature: The recommended processing temperature is 190 to 230 °C.

Recommendation: It should be degassed properly before using.

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C1 Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C1 Polymer Co. make no warranty and liability in connection with any use of this information.