



Technical Datasheet

Product Name: Polyethylene Filled With 50% Talc

Grade: C1PE-50T

Product Description:

C1PE-50T is a polyethylene filled with 50% talc. This compound is usually used to reduce shrinkage in polyethylene parts. Its main application is injection molding process.

Applications:

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

Appearance:

Polymer Host	PE
Appearance	Granule
Color	Natural
Talc Content	50%

Physical, Mechanical and Thermal Properties:

Properties	Unit	Value	Standard
MFI (190°C , 2.16 Kg)	g/10min	0.8	ASTM D1238
MFI (190°C , 5 Kg)	g/10min	3.6	ASTM D1238
Specific Gravity	g/cm ³	1.4	ASTM D792
Tensile Strength (5 mm/min)	MPa	28	ASTM D638
Elongation @ Break (5 mm/min)	%	5	ASTM D638
Flexural Modulus	MPa	1600	ASTM D790
Izod Notched Impact Strength (23 °C)	KJ/m ²	6	ASTM D256
Izod Notched Impact Strength (23 °C)	J/m	64	ASTM D256
Vicat Softening Point (50KN , 120°C/h)	°C	103	ASTM D1525

Processing Temperature: The recommended processing temperature is 170 to 200 °C.

Recommendations: It should be degassed at 70°C for 2-3 hours 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.