



TECHNICAL DATA SHEET

Compound :

PA6.6 FG

Polyamide 6.6 FG

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

FG polymer polyamide 6.6 (PA6.6 FG) is amended with glass fiber in order to increase its workability and to improve the mechanical qualities. It shows, in consequence, a wear resistance and tensile strength among the highest in absolute, it is exceptionally resistant to compression and bending. Excellent dimensional stability, also the mechanical characteristics remain high with temperatures increasing. The material is particularly suitable for the production of gears and mechanical parts to high strength, which can also work in critical environments such as construction sites, or construction equipment without being damaged. It is not used in contact with food.

Available

All kind. Natural or glass reinforced.

Physical-mechanical
characteristics

*High wear resistance
High resistance to compression and traction
Excellent stress resistance
Excellent mechanical properties
Excellent dimensional stability
Good aging resistance
Good atmospheric agents resistance and low temperature
The glass component also determines the steel abrasion with which it is in contact in the case of couplings with organs in clutch*