



TECHNICAL DATA SHEET

Compound :

PA6.6

Polyamide 6.6

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

Polyamide 6.6 (PA6.6) is a resin of higher quality, having higher stiffness, wear resistance and lower water absorption compared to the PA6 and a higher resistance to temperature. However, has a lower impact resistance and a lower damping power. The greater rigidity than the PA6 makes it preferable in mechanical engineering when you need this feature, at the expense of shock resistance for gears, cams, pulleys, runners wear, wheels and mechanical parts in general. It can be used, in some cases, in contact with foods.

Available

All kind. Natural or glass reinforced.

Physical-mechanical characteristics

*Aging resistance at high temperatures and over time
High strength and stiffness
Functional toughness even at low temperatures
High flow, for easy mold filling
Intrinsic ignition resistance
Excellent dielectric properties
Good abrasion resistance
Exceptional chemical resistance
High barrier / resistance to chemical agents such as gasoline, fats and aromas
High oxygen barrier
Water Absorption
Exceptional price / performance ratio*