



TECHNICAL DATA SHEET

Compound :

PA6

Polyamide 6

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

Polymer polyamide (PA6) semi-crystalline with good general characteristics and excellent cost / performance ratio. Due to the characteristics and cost it is a material used "for general purposes"; widely used in the mechanical gears and simple cams, pulleys, guides and mechanical parts in general. It is not used in contact with food. Because of the absorption of moisture the use in the electrical industry is limited.

Available

All types. 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*