



TECHNICAL DATA SHEET

Compound :

POM

Acetal resin

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

Acetal (POM) - It 'a thermoplastic material which due to its properties often competes with nylon for many of its applications. Acetals can be treated with both the conventional injection and with extrusion techniques. The material is widely used in the automotive industry and consumer electronics. The acetal polymer class (POM) was introduced in 1956 and has obtained the important application because of a good profile of properties. Two types of available acetal are homopolymer and copolymer , slightly different benefits to each. Acetals are available in fiber-reinforced and lubricated molding grades, as well as extruded shapes for machined parts.

Available

All kind. Natural or glass reinforced (at the moment 20% reinforced).

Physical-mechanical characteristics

*High mechanical strength and rigidity
Toughness and high resistance to repeated impacts
Long-term fatigue resistance
Excellent resistant to moisture, gasoline, solvents, and many other chemicals of neutral pH
Excellent dimensional stability
Good resilience and creep resistance
Natural lubricity
Wide end-use temperature range
Good electrical insulating characteristics*