



## 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*