TENAC™ - Homo- and Copolymer Polyoxymethylene (POM) for Broad Range of Automotive Applications

Application Areas

- Automotive industry (seatbelt, sliders, motor gears)
- Electrical and electronics industry
- Manufacturing industry (conveyor belts, gears)
- Home appliances (gears, rollers)
- Automotive industry (inside door handles, clips, seat belt push button, seat adjusters, carrier plates, pulley)
- Electrical and electronics industry (printer gears)
- Manufacturing industry (conveyor belts, gears)

Solution / Innovation for the Industry

- Broad range of grades with high viscosity and weatherability
- Top-class low-VOC performance: Meets low odor specifications of all OEMs

TENAC™ polyoxymethylene (POM) is a partly crystalline engineering thermoplastics. It features high wear resistance combined with stiffness and strength. Due to its low friction and excellent dimensional stability, TENAC™ is particularly suitable for precision parts and performance engineering components such as gears, safety restraints or door systems.

Asahi Kasei’s homopolymer-TENAC™ offers an even higher tensile strength, stiffness and creep resistance over a broad temperature range. Its low-VOC grades meet OEM’s low odor emission specifications for vehicle interiors.

Asahi Kasei is the world’s only supplier producing both homo- and copolymer-polyoxymethylene.

Key Properties

- Strength and stiffness
- Toughness
- Creep resistance
- Fatigue resistance
- Friction, abrasion and wear characteristics
- Dimensional stability
- Resistance to oils and organic solvents

For further information click here