

# PHONIC WHEEL



<b>MOULDED MATERIAL</b>	POM
<b>FAMILY OF MATERIALS</b>	POM-C;POM-H (Polyoxymethylene)
<b>POLYMER'S FEATURES</b>	<p>POM is a homopolymeric or copolymeric acetal resin filling the gap between ordinary metals and plastics, with a unique combination of stiffness and traction strength, resistance to repeated impact, creep and fatigue resistance, resistance to solvents, fuels and humidity. POM is strong against abrasion, has a good impact coefficient, elastic behaviour and dimensional stability. Since its introduction on the market (1960) POM has been successfully used for a lot of technical applications, worldwide and in any sector (automotive, consumer, industrial and electrical). Starting from its basic standard types (100, 500 and 900), having different viscosity, further types have been developed: toughened, glass reinforced, UV-resistant, lubricating, low friction and low wear, extruded POMs.</p>
<b>APPLICATION FIELDS</b>	<p>Precision gears, springs and elastic elements, conveyor belts, lighters, lock components, sliding guides, fuel pump components, aerosol valves, levers and components for ski boots and ski or snowboard bindings, etc.</p> <p>In this case, the phonic wheel requires good accuracy and dimensional stability, minimum thickness, compatibility of the polymer with the medical sector.</p>
<b>SPECIAL NOTES</b>	