

## ZELLAMID® Products for oil & gas industry

POM and High Performance PEEK tubes find extensive use in various industries due to its exceptional properties. For its resistance to saltwater, chemicals, and durability they are used also in the oil and gas industry as rudder-bearings, rope clips, idler pulleys, rope winches or sail battens.



### ZELLAMID® 1500 X

This special PEEK product displays high temperature resistance and impact strength. In addition it is a superior material when it comes to cost-effectiveness. When exposed to a flame there is very low smoke and toxic gas emission.

### ZELLAMID® 202

ZELLAMID® 202 extruded is a tough material with high resistance to abrasion and impact. PA 6 is commonly used as a substitution material for bronze, aluminium and other non-ferrous metals, as it has significant weight advantages.

### ZELLAMID® 900

POM is a semicrystalline thermoplastic and is characterized by a low coefficient of friction and good wear properties, unaffected by wet environments. POM offers good resistance to a wide range of chemicals including many solvents.

**ZELLAMID® 1500 X** has a balanced profile of properties such as low level of creep combined with high modulus of elasticity. PEEK is a high strength alternative to Fluoropolymers featuring better performance in wear and abrasion applications. It is a material with outstanding tribological properties.

<b>Outer diameter (mm)</b>	30 - 140
<b>Inner diameter (mm)</b>	20 - 100
<b>Standard length (mm)</b>	3.000



## Further suitable products

**ZELLAMID® 202** has a specific gravity of 1,15 g/cm<sup>3</sup> and bronze has 8,8 g/cm<sup>3</sup> making the comparative volume price very attractive. Using PA 6 also reduces lubrication requirements and is non-abrasive to mating surfaces. It features good mechanical properties. Nylons can absorb up to 8% water (by weight) under humidity or submerged in water. This increases the excellent shock and vibration resistance but can also lead to dimensional changes.

<b>Outer diameter (mm)</b>	<b>Inner diameter (mm)</b>	<b>Standard length (mm)</b>
25 - 310	10 - 240	3.000

**ZELLAMID® 900** is also noted for its high mechanical strength, heat resistance and good antifriction properties. Mechanical, electrical and dimensional properties are accordingly influenced by moisture absorption.

For parts which need to be dimensionally stable even exposed to humidity or wet environments, copolymeric Acetal offers better hot water, thermal and chemical resistance than homopolymeric Acetal.

<b>Outer diameter (mm)</b>	<b>Inner diameter (mm)</b>	<b>Standard length (mm)</b>
25 - 310	10 - 240	3.000
350 - 500	200 - 375	1.000