



Distributor
ตัวแทนจำหน่าย จาก GEHR



PRODUCT แนะนำผลิตภัณฑ์ ENGINEERING PLASTICS by GEHR

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Line : terminalgroup



POM-C® (ACETAL)

The continuous operating temperature of polyoxymethylene ranges between -40°C and +100°C. The high surface strength is only surpassed by a few materials. POM shows good sliding properties and high resistance to wear and tear because of the high strength and smooth surface. There is a very low risk of stress cracks. POM-C (Copolymere) exhibits a high thermal stability and a high resistance to chemicals (high resistance to hydrolysis).

Properties GHER POM-C®

- >> Pressure tested quality
- >> High strength and stiffness
- >> High rigidity (to -40 °c)
- >> High thermal stability
- >> Low water absorption
- >> High dimension stability
- >> Good electrical insulating properties
- >> Very good sliding properties
- >> High resistance to solvents
- >> Very high resistance to stress cracks

Applications GEHR POM-C®

- >> Bearings
- >> Fittings
- >> Gear wheels
- >> Parts for pumps
- >> Screws
- >> Bobbins
- >> Parts for the textile industry
- >> Carrier for coating lines
- >> Food industry

PA®



Polyamide shows a high thermostability (Temperature resistant from -40°C to approx. +100 °C) and high stiffness, hardness and toughness. These are some of the main characteristics. Due to the fact, that the good mechanical characteristics will be achieved only after conditioning, this material must be conditioned again after annealing. In addition, this conditioning occurs with a longer storage in air automatically

PA 6 C® (CAST) Natural, Black



Properties GEHR PA®

- >> High strength and stiffness
- >> High impact and notch impact strength
- >> High heat deflection temperature
- >> Shock-absorbing properties
- >> Good sliding and dry running operating features
- >> Good chemical stability against organic solvents and fuels
- >> Size alteration by humidity absorption must be considered
- >> Dimension stability, electrical and mechanical properties may become affected by water absorption

PA6C® (CAST) MC- Blue



Applications GEHR PA®

- >> Bearing parts (good sliding properties)
- >> Gear wheels
- >> Pump parts
- >> Sliding rails
- >> Rollers (reduction of the noise level)
- >> Fittings

PEEK®

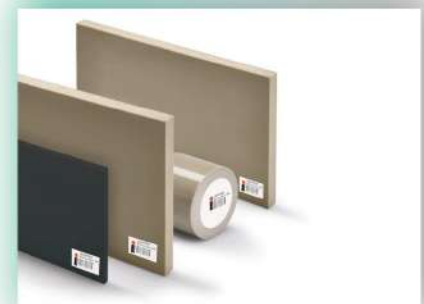
Polyetheretherketone can be used at very high temperatures (about +260 °C) and it shows an extraordinary mechanical strength, toughness, hardness, flexural strength, torsional strength. PEEK exhibits excellent chemical resistance, very good dielectric properties up to +260 °C and a very good resistance to all kinds of radiation (even ultraviolet rays only lead to a slight yellow discoloration). PEEK is self-extinguishing properties according to UL 94.

Properties GEHR PEEK®

- >> Very high mechanical strength
- >> Very high rigidity (also at low temperature)
- >> Very high thermal stability
- >> Very high creep resistance
- >> Very high dimensional stability
- >> Very high radiation resistance
- >> Very high hydrolysis resistance
- >> Relatively low notch impact strength
- >> Low resistance to acetone

Applications GEHR PEEK®

- >> Bearing shells
- >> Piston rings
- >> Valve seats
- >> Gears
- >> Seals
- >> Aviation
- >> Cog wheels
- >> Pump vanes
- >> Fittings
- >> Plug connectors for the chromatography
- >> Water carriers
- >> Semiconductor industry





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Properties GEHR PET®

- >> High mechanical resistance and tensile strength
- >> High creep resistance
- >> High surface strength
- >> Easy to varnish and polish
- >> High dimensional stability
- >> High toughness
- >> Good insulations for electrical properties
- >> High chemical resistance
- >> Easy to lacquer
- >> Limited dielectric properties
- >> Sensitive to hydrolysis

Applications GEHR PET®

- >> Bearings
- >> Pumps and parts for housings
- >> Frame components
- >> Tank lids
- >> Gear wheels
- >> Insulators for the electrical engineering
- >> Deflection rollers for the filament industry
- >> Levers
- >> Handles
- >> Control discs

PET®



PE-UHMW®

Properties GEHR PE-UHMW®

- >> Low density
- >> Very good wear resistance
- >> Very high abrasion resistance
- >> High toughness (also at low temperature)
- >> High elongation at break
- >> Very good electrical and dielectric properties
- >> Very low water absorption
- >> Low steam permeability
- >> High chemical resistance
- >> Good protection against stress cracking
- >> Food safe

Applications GEHR PE-UHMW®

- >> Pumping and valve parts
- >> Gaskets
- >> Slide profiles
- >> Parts for the food industry



PVC-U®

Properties GEHR PVC-U®

- >> High mechanical strength, tensile strength and hardness
- >> Good insulation properties for electronics
- >> High chemical resistance
- >> Self-extinguishing
- >> Low water absorption
- >> Good adhesiveness and paintability
- >> Low impact strength
- >> In white colour weatherproof

Applications GEHR PVC-U®

- >> Pumps and valve body
- >> Gaskets
- >> Machine parts
- >> Bearings cages
- >> Hand lamp pipes
- >> Brush basic body
- >> Parts in the dental medicine
- >> Seat strips
- >> Profiles for cabin and fair construction
- >> Lamp box



PTFE® natural

Properties PTFE

- >> Very good electrical insulation
- >> Very good slide and wear properties
- >> Inherent flame retardant
- >> Continuous service temperature up to 260 °C
- >> Very good chemical resistance
- >> Good UV and weather resistance

Applications PTFE

- >> Aircraft and aerospace technology
- >> Chemical technology
- >> Food technology
- >> Cryogenic engineering
- >> Mechanical engineering
- >> Semiconductor technology
- >> Medical technology



Properties GEHR PP®

- >> Low density
- >> High heat resistance
- >> High tensile strength
- >> High surface strength
- >> Very high chemical resistance
- >> Low oxidation resistance
- >> Low abrasion resistance
- >> Brittle in the coldness
- >> HF-welding not possible
- >> Natural colour is not weather resistant

Applications GEHR PP®

- >> Pumps
- >> Valves
- >> Gaskets
- >> Supporting stands for the coating industry
- >> Spacer for the electroplating
- >> Parts for toys

PP®



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