ROMITRON® PPS Semi-crystalline, high performance polymer

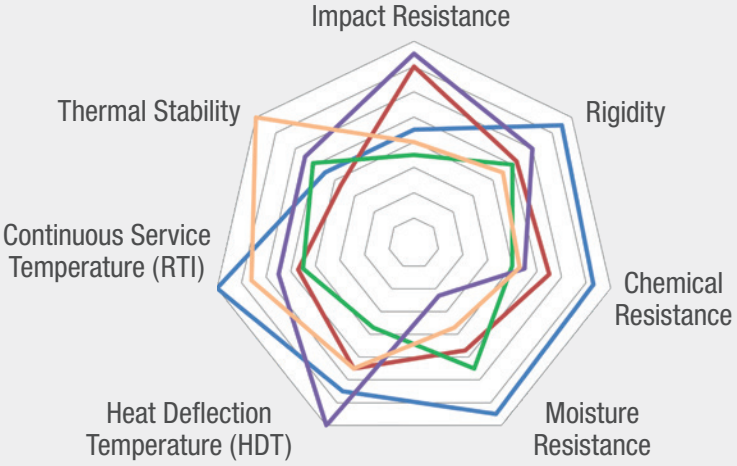
Polyphenylene sulfide (PPS) is a high performance thermoplastic with exceptional heat and chemical resistance that make it an ideal material of choice to replace metals and thermosets for use in automotive parts, electronics, appliances, and several others high-end applications.

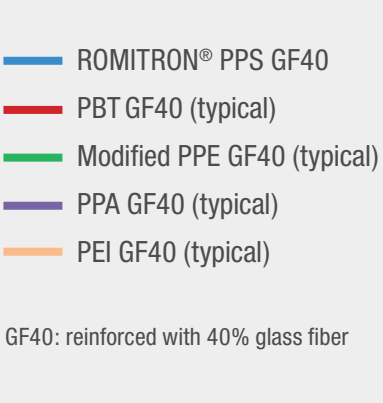
ROMITRON® PPS characteristics

> Exceptional thermal stability
> Superior mechanical properties
> Excellent chemical resistance
> Inherently flame retardant
> Very low moisture absorption
> Electrical insulation properties

ROMITRON® PPS compounds

> High strength grades reinforced with glass fiber/mineral
> High modulus grades reinforced with carbon fiber
> Low mold flash/low warpage
> Conductive and tribological grades
> On demand development





GF40: reinforced with 40% glass fiber

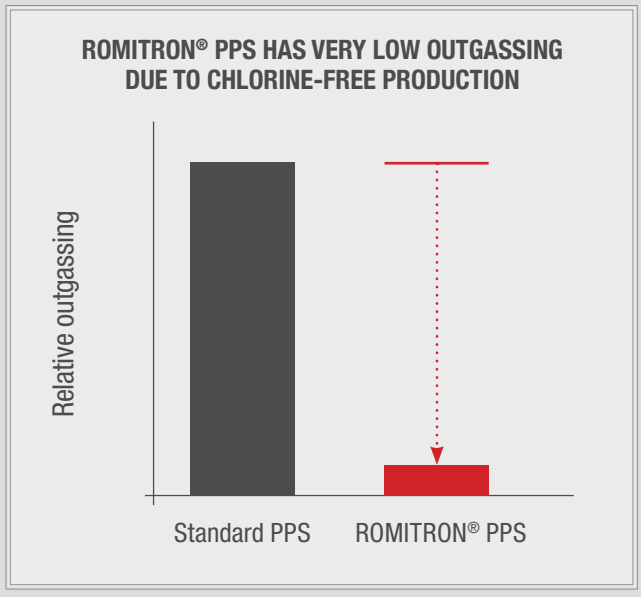
ROMITRON® PPS superior over PA, PC, PBT

> Higher short-term service temperature (up to 260 °C)
> Higher continuous service temperature (up to 210 °C)
> Better chemical resistance
> Lower moisture absorption

NEWLY DEVELOPED

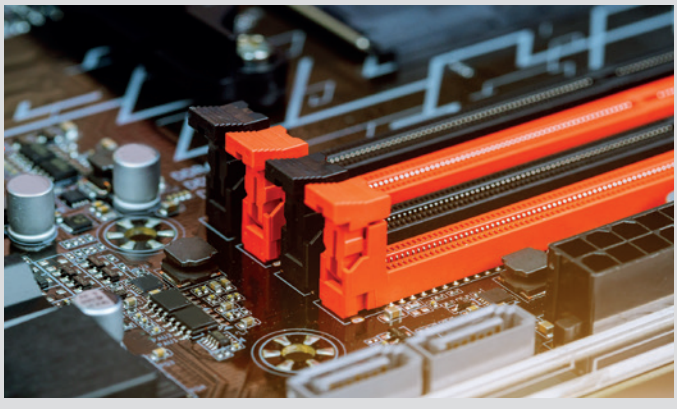
ROMITRON® PPS superior over standard PPS

> Remarkably lower out-gassing (well suited for lighting systems, aircraft or energy industry)
> Better dimensional stability (higher modulus, applicable to highly rigid automotive components)
> Chlorine-free PPS (well suited for electronics applications that Cl < 700 ppm is mandatory)
> Much less ionic impurities (suitable for ultra clean production environments such as in the semiconductor and solar industry)
> A wider processing window with energy saving
> Less CO2 emission



ROMITRON® PPS application areas

> Automotive: engine components, fuel and coolant parts, electrical systems, lightning, EV systems
> E&E: connectors, bobbins, optical devices, brackets
> Semi conductor and high vacuum environments
> Others: home appliance, high heat filters, etc.



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