MAXIMIZE YOUR RF PERFORMANCE WITH PREPERM®

Optimal RF properties

• Well-controlled dielectric constant range 2.55-25
• Ultra-low loss even at mmWave frequencies
• Stable performance even up to 220 GHz

Speed up your concept validation with

• Stock shapes for machining
• Filaments for 3D printing
• Screws, components and lenses
• Customized prototyping service

From prototyping to mass production

• Injection molding process enables flexible product designs
• Scaleable production
• Customized sheets in high volumes
• Consistant quality in mass production
• Excellent total cost performance compared to traditional materials

www.preperm.com/webshop

Verification of your idea has never been easier!

www.preperm.com/webshop
“We believe that the best solutions are the ones we create together with our customers - you provide the specs, we offer the solution.”

Tuomas Kiikka, Business Development Director

New technologies require new materials
The rapid technology development requires new frequency ranges and bandwidths. This is a challenge for material performance.

Premix’s ultra-low loss PREPERM® materials provide solutions for tomorrow’s mmWave frequency demands. Isotropic and consistent PREPERM® materials are designed for many RF designs such as antennas, radomes, resonators or filters. PREPERM® technology enables a high degree of customization based on individual customer needs. The dielectric material properties will be tailored to fit perfectly on the design in hand.

Creating a safe and ultra-connected society with functional plastics
That’s our purpose – plain and simple. Our ultra-low loss PREPERM® materials are used for example in automotive radars to gain the extra second that can save lives. And when it comes to ultra-connected society, we are happy to be involved in countless game-changers related to 5G and autonomous driving.

We ride the waves of tech innovations and constantly aim higher. We eagerly look for new challenges and solve them together with our customers. This is how we create materials that matter.
Premix's nearly 40-year expertise lies in formulation and production of functional plastic materials. Premix's materials are more than just traditional plastics – they play an active role in the product or process they are integrated. Premix was one of the first companies entering the market of electrically conductive plastics in early 1980's and is now the world's leading specialist in the area. Today, we are global forerunners also in the field of innovative RF plastic materials and solutions.

We are ready for your challenge!

RF Materials / PREPERM®

PREPERM® Sales team