

# PREPERM® for the ultimate RF Performance

Proprietary PREPERM® technology gives you a headstart in mmWave radars. Consistent, isotropic and ultra-low loss PREPERM® products are designed for mass production and are used as radomes and lenses.

## Radomes

Millimeter frequencies put the performance of RF materials into a real test. PREPERM® is an excellent choice for mmWave radomes due to the low dielectric constant and ultra-low losses. Other benefits include e.g. the high isotropicity, low water absorption and excellent mechanical properties even in arctic conditions.

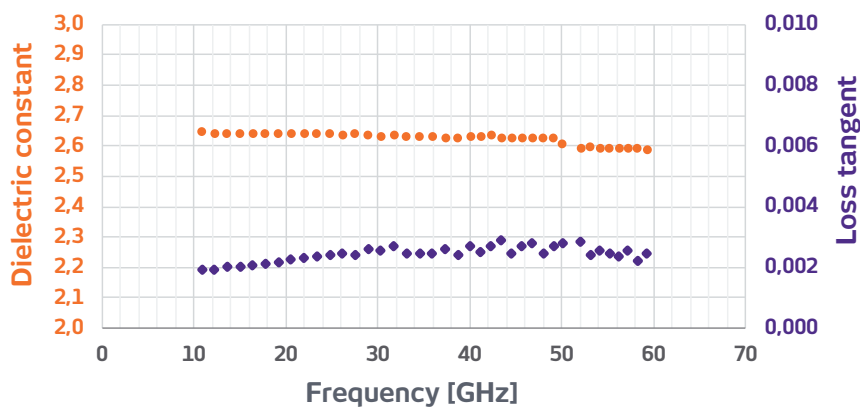


## Beamforming Lenses

Beamforming with PREPERM® lenses ensures stable radar performance. Achieve true freedom for antenna design by choosing from a variety of different dielectric constants from 2.55 up to 25. The easy processability of PREPERM® enables both prototyping and mass-manufacturing.



Illustration of stable dielectric properties as function of frequency



Measurements for PREPERM® L260 grade dielectric properties performed at VTT Technical Research Centre of Finland Ltd and they reflect the typical dielectric properties of PREPERM® range.



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