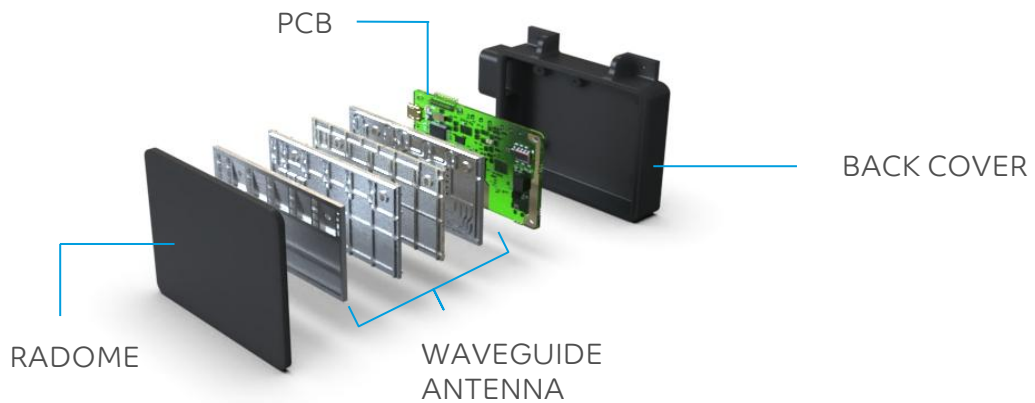


SABIC SPECIALTIES THERMOPLASTICS FOR CUTTING-EDGE 4D RADAR WAVEGUIDE ANTENNAS

4D Radar is a high-resolution sensor technology that identifies elevation information in addition to measuring range, azimuth, and velocity and is seeing increased use in automobiles. Waveguide antennas are becoming the preferred antenna technology due to their high performance, low loss, and high radiation efficiency. For effective antenna performance, the material used for the antenna must have high dimensional stability and good metallization capability with low surface roughness to prevent signal loss. Depending on the antenna architecture the material may also need to have high temperature resistance to withstand an SMT soldering process.



SABIC VALUE PROPOSITION



HIGH DIMENSIONAL STABILITY

Low Warpage | Limited shrinkage



HIGH TEMPERATURE STABILTY

High HDT | Low CTE



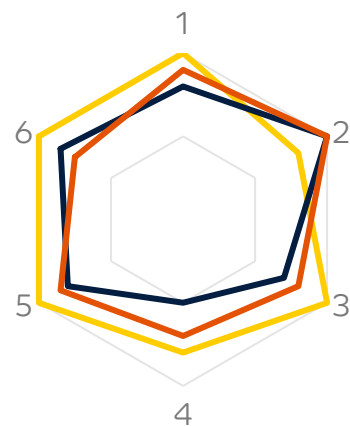
METALLIZABLE

Plating or Physical Vapour Deposition (PVD)



EASY TO PROCESS

Easy flow | No Flash



Series1 Series2 Series3

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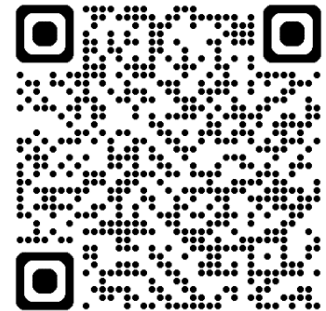
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