

LOW LOSS DIELECTRIC PERFORMANCE

SECURITY EQUIPMENT MANUFACTURER BODY SCANNER

AVIENT SOLUTION

PREPERM™ PPE 260 Formulation

WHY AVIENT?

- Formulated a custom material to match customer requirements
- Reduced dielectric loss to 0.0009
- Improved image quality of body scanner with uniform dielectric performance and exceptionally low losses
- Enabled scan time of 2 seconds and person throughput of 400 persons per hour, compared to 100 person throughput of conventional devices

LEARN MORE

KEY REQUIREMENTS

- Replace PMMA based radome material
- Consistent dielectric performance across large sheet/surface area (4mm thick, 2m high)
- Ultra low losses
- No defects across full surface area
- High resolution imaging to show small illegal objects