Maximize the performance of your radar. Only with Dyneema® Crystal Technology

How do you design a radome that does not compromise the performance of your highly sensitive radar system? It needs to offer reliable protection, with zero signal loss.

Dyneema® Crystal Technology is a new technology platform of Dyneema® for radomes. For all high molecular weight polyethylene materials, it ensures electromagnetic properties in all radome configurations.

This technology platform provides maximum transparency and protection over a wide range of frequencies. Benefits are:

- Crystal clear radar performance
- Robust azimuth range
- Identify smaller objects
- Reactor and nuclear signals
- Can stop bullets and fragments

### Military
Radomes made with Dyneema® Crystal Technology provide the highest level of protection and performance to sensitive and critical equipment in hostile military environments.

### Commercial
For all radar and antenna systems, using radomes made with Dyneema® Crystal Technology guarantees enduring performance at the highest level.

### Telecoms
The high transparency extends across a broad frequency range making Dyneema® Crystal Technology ideal for broadband applications in telecommunications and the lightest and most durable choice.

### New benchmark in performance

The electromagnetic properties of Dyneema® Crystal Technology outperform all other materials used for radomes. It will give your radar systems superior consistency and predictability at the widest range of frequencies.

The high tension strength and low density makes it one of the world's strongest materials, and yet very light. It has a proven track record in the military and police services and can stop bullets and fragments.

### Introducing radomes with Dyneema® Crystal Technology

The benefits of Dyneema® Crystal Technology

- Crystal clear radar performance
- Robust azimuth range
- Identify smaller objects
- Reactor and nuclear signals
- Can stop bullets and fragments

Our services

- Materials
- Solution engineering
- Manufacturing & supply
- Design advice. Consultation for engineering the total radome solution.

Dyneema® Crystal Technology is available in many product forms for radomes, based on bonded tape, UD and (coated) fabric.

Materials expertise and advice.

Our scientists and application engineers at DSM Dyneema are the world's leading experts in ultra high molecular weight polyethylene.

For more information visit www.dyneema.com/radomes

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Introducing radomes with Dyneema® Crystal Technology

Now the world's strongest radome is invisible to microwaves