

**Thank you for your interest in Ultrason® (PSU, PESU, PPSU)
– the special plastic for high-quality parts**

Please contact us for further information and samples.

<https://products.basf.com/en/Ultrason.html>

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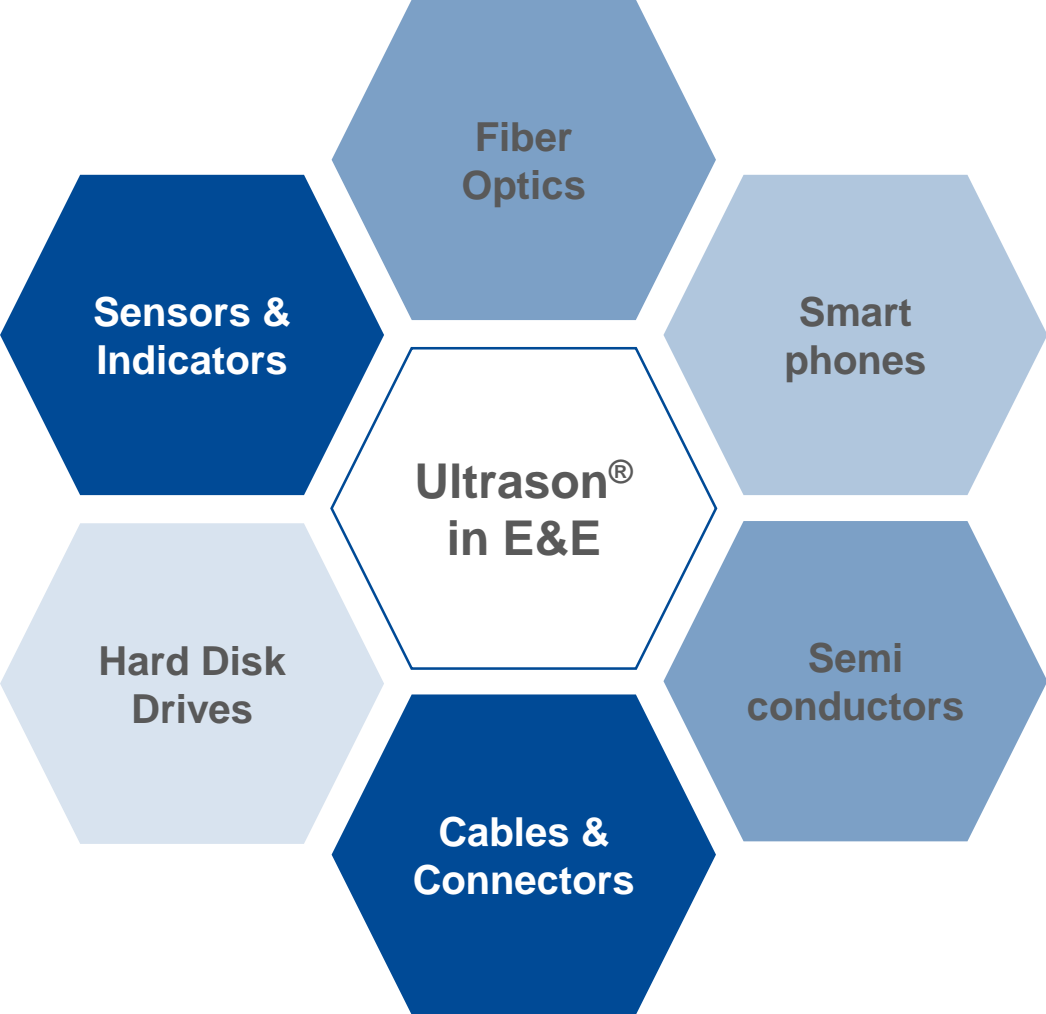
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Ultrason® (PSU, PESU, PPSU)– the special plastic for high-quality parts



High heat resistance

Excellent dimensional stability

High modulus

Low outgas

Good flame retardancy

Excellent chemical resistance

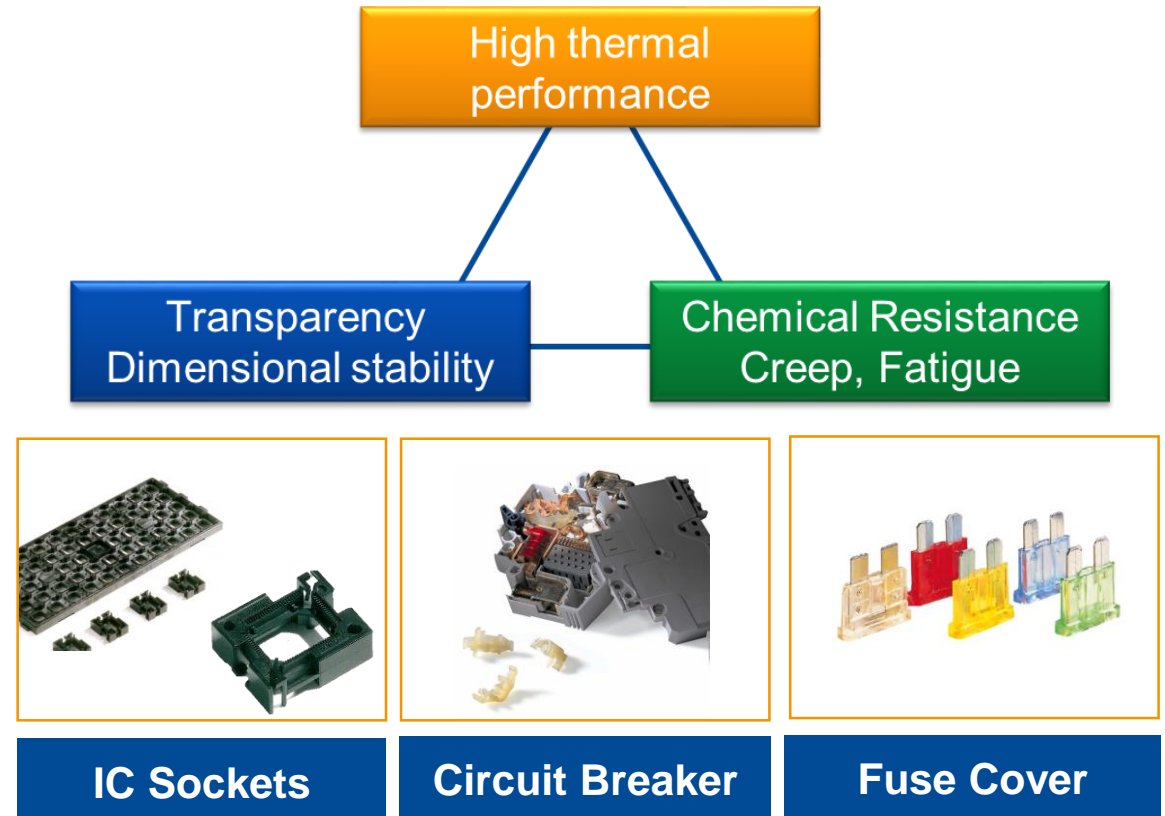
Good insulation properties

Key Properties of Ultrason®

Electrical & Electronics

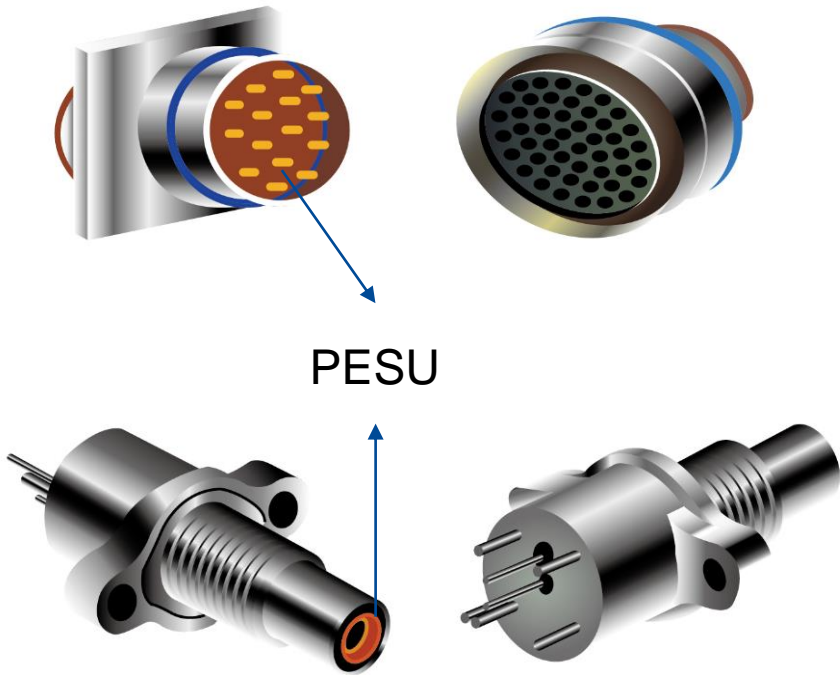
Advantages

- Excellent resistance to high heat and humidity
- Excellent mechanical strength – wide range temperature from -50 to +180°C
- Excellent dimensional stability / Low CTE
- FR V-0, low toxic outgas
- Excellent chemical resistance
- Good electrical insulation properties
- Low outgas for clean processes



Ultrason®

Cable and Connectors



PESU

Connectors (Operating T: -55 ~ 175°C)

Application

- Connectors
- Cable insulation / separator (foam extrusion)

Requirements

- Thermal resistance at high temperature
- High dimensional stability
- Insulation property
- Sterilization tolerance

Material

- Ultrason® E 2010
- Ultrason® P 3010

Ultrason®

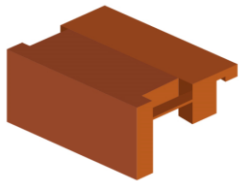
Fiber Optics – Connectors and Lens



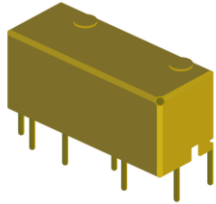
Integrated Lens



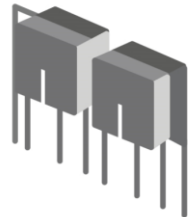
Connector



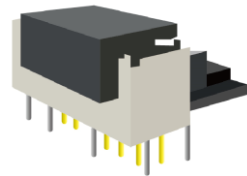
Transportation Cap



EMI Shield



Fiber Optic Transceiver



Connector Housing / Chassis

Application

- Connectors / Housing / Chassis
- Lens module

Requirements

- Low shrinkage, warpage
- Dimensional stability to high temp.
- Good transparency, low water uptake
- Flame retardancy

Material

- Ultrason® E 2010 NAT or with GF
- Ultrason® S 2010 NAT

Ultrason®

Miniature Circuit Breaker (MCB)



MCB (Siemens)

Application

- Latches of circuit breakers

Requirements

- Low creep
- Excellent dimensional stability
- Dimensional accuracy / tight tolerances
- Good flame retardancy
- High impact strength

Material

- Ultrason® E 2010 G4 NAT