



 **BASF**
We create chemistry

Ultrason[®] S
Medical grade polysulfone
for extreme environments

What is **BASF Ultrason®** S Polysulfone?

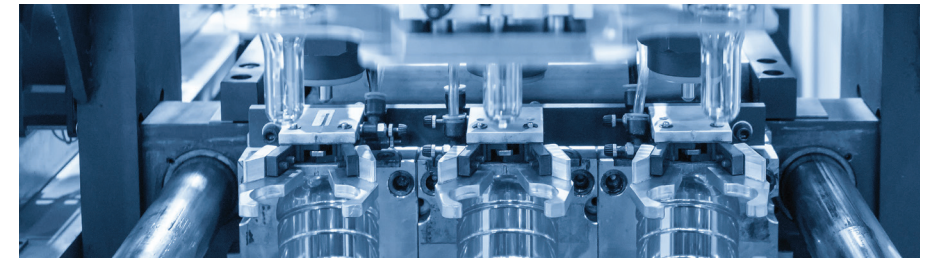
BASF has been a key industry leader in plastics development since the 1930s. They are known worldwide for their versatile product line of engineered plastics, which includes Ultrason®, based on polyarylsulfone (PPSU, PSU, PESU). You can find Ultrason® in high-performance parts in the medical, household, electrical and automotive industries.

When it comes to heat resistance, Ultrason® is an ideal choice with a flammability rating of up to 428 F. Other prominent qualities include its durability, transparency, low food color absorption and hydrolysis resistance. This makes it a perfect application for sterilizable baby bottles made to resist breakage even after frequent machine washings.

Ultrason® S PSU is often used where requirements exceed the capabilities of polyamide, polycarbonate, polyoxymethylene and polyalkylene terephthalate. The exceptional property spectrum of these materials allows them to replace thermosets, metals and ceramics.



What Can **Ultrason S®** Do For You?



- High strength / Impact resistance
- High HDT 325-400 F
- Good chemical resistance
- Low food color absorption
- Sterilizable
- Transparent
- Low creep
- Excellent hydrolytic stability
- Dimensional stability
- FDA and European food contact compliance

Grades

- Ultrason S 2010
- Ultrason S 2010 G4
- Ultrason S 2010 G6
- Ultrason S 3010
- Ultrason S 3010 MR
- Ultrason S 6010



Applications

- Dental implants
- Transparent part of anesthesia masks
- Surgical instrument tray covers
- Pharmaceutical filter housings
- Heart valve sizors
- Dialysis filtration cartridges
- Implantable catheter ports
- Micro and ultra-filtration for drinking water treatment

Processing Methods

- Injection molding
- Extrusion
- Coating Applications
- Film





Amco Polymers is an agile, solutions-focused distributor and compounding company with an extraordinary breadth in resin selection. For more than 60 years, Amco has provided customers with peace of mind by building genuine relationships, providing responsive 24-hour customer service and delivering with industry-leading logistics.

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