CMF Biomaterial Solutions.
A comprehensive guide to biomaterials offered by Synthes.

Synthetic and allograft bone void fillers

Porous polyethylene implants

Rapid Resorbable Fixation System
DBX Allograft bone void filler

- Composed of demineralized bone and sodium hyaluronate
- Osteoconductive, osteoinductive potential*
- Resorbed and replaced by bone
- Isotonic and nonhemolytic
- Processed by MTF, the world’s largest tissue bank

DBX Putty

- Moldable consistency of granulated cortical bone
- Excellent handling characteristics
- Resists displacement and wash-away from irrigation

DBX Paste

- Flowable consistency of granulated cortical bone

DBX Mix

- Morselized corticocancellous bone texture

chronOS Synthetic bone void filler

- Composed of β-tricalcium phosphate
- Osteoconductive
- 6–18 month remodel time
- Fully synthetic
- ~5 MPa compression strength
- Macropores: <10 μm–500 μm

chronOS granules

- Three size ranges: 0.5 mm–0.7 mm, 0.7 mm–1.4 mm and 1.4 mm–2.8 mm
- 60% porous

chronOS preforms

- Three forms: blocks, rectangular wedges, and semi-circular wedges
- 70% porous

Norian CRS Synthetic bone void filler

- Composed of calcium phosphate
- Osteoconductive
- Gradually resorbs and is replaced by bone

Norian CRS Fast Set Putty

- Moldable putty
- 30 MPa compression strength
- Sets in 3–6 minutes at 37°C

Norian CRS

- Injectable
- 50 MPa compression strength
- Sets in 10 minutes at 37°C

SynPOR Porous polyethylene implants

- Nonabsorbable, biocompatible material
- Contourable and easily shaped
- Radiolucent

SynPOR Sheets

- Interconnected porosity supports tissue ingrowth

SynPOR Smooth Sheets

- Supports tissue ingrowth on only one side

SynPOR Titanium Reinforced

- Increased strength and contour retention
- Fixation hole positions allow for optimal screw placement
- Radiographic visibility

SynPOR Titanium Reinforced Fan Plates

- Porous sheets embedded with 1.3 mm titanium

SynPor Smooth Titanium Reinforced Fan Plates

- Support tissue ingrowth on only one side

* It is unknown how the osteoinductive potential, measured in the athymic mouse model or the alkaline phosphatase assay, will correlate with clinical performance in human subjects.

Please refer to package inserts for full list of indications, contraindications, warnings and/or precautions.
RapidSorb  Rapid Resorbable Fixation System

- Composed of 85:15 poly (L-lactide-co-glycolide)
- Resorbs in 12 months
- Retains approximately 85% of initial bending strength after 8 weeks
- Eliminates need for implant removal

Implants
- Wide selection of 1.5 mm and 2.0 mm plates, meshes, sheets, screws and tacks support a variety of surgical indications
- Contourable mesh permits anatomic conformity without cutting or kinking
- Orbital floor plate, cranial clamps and other specially designed implants are available for specific clinical applications

Instruments
- A full line of instrumentation and trays meet the needs of both surgeons and operating room personnel