



Brief Summary

MASTERGRAFT® Resorbable Ceramic Granules are indicated only for bony voids or gaps that are not intrinsic to the stability of the bony structure. MASTERGRAFT® Resorbable Ceramic Granules are to be gently packed into bony voids or gaps of the skeletal system (e.g., the posterolateral spine, pelvis, ilium, and/or extremities). These defects may be surgically created osseous defects or osseous defects created from traumatic injury to the bone. MASTERGRAFT® Resorbable Ceramic Granules provide a bone void filler that resorbs and is replaced with bone during the healing process.

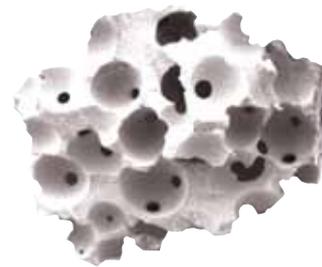


MASTERGRAFT®
Granules

Chemical Composition

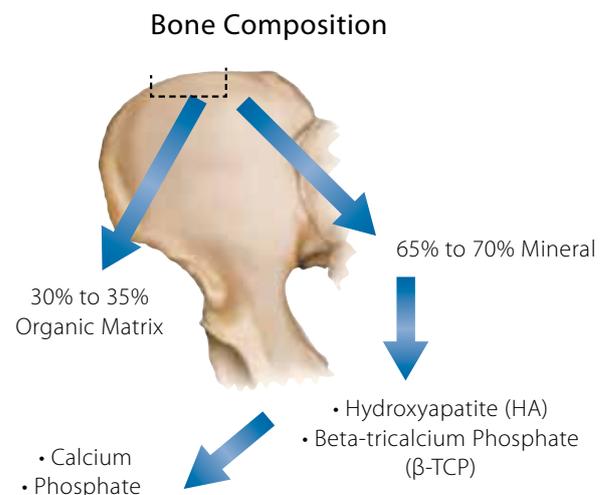
Medical-grade Polyporous Resorbable Ceramic Granules

- » Granules are composed of:
 - 15% hydroxyapatite (HA).
 - 85% beta-tricalcium phosphate (β -TCP).



Why Are the Granules Composed of 15% HA and 85% β -TCP?

- » To provide an osteoconductive porous scaffold composed of minerals similar to those found in bone.
 - Both HA and β -TCP contain calcium and phosphate—the principal constituents of bone.
 - HA is the primary mineral found in bone matrix.
- » HA and β -TCP are the two most widely studied ceramics used for bone grafting applications, supported by more than 20 years of clinical experience.
- » The combination of HA and β -TCP provides an engineered combination of the desired characteristics*:
 - Long-term stability.
 - Resorption.



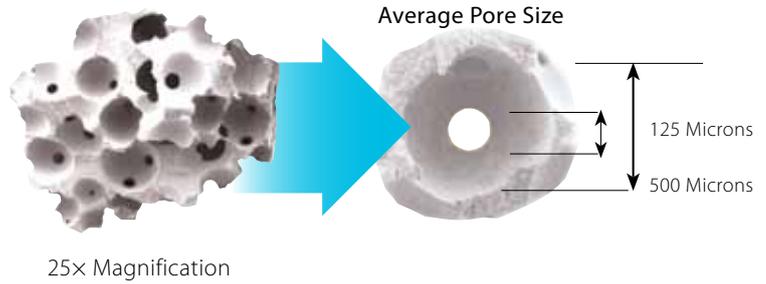
*Data on file.

MASTERGRAFT® Granules

Physical Properties of Resorbable Ceramic Granules

Features

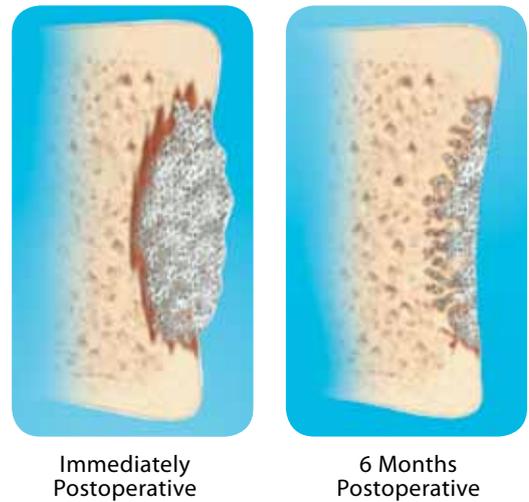
- » 80% porosity.
- » 500 micron average pore size.
- » 125 micron average interconnected diameter.



The Resorbable Advantage

Potential Benefits

- » Aids osteointegration.*
 - Supports the bone healing process by acting as a scaffold for new bone formation.
 - Allows creeping substitution to gradually replace the MASTERGRAFT® Granules with new host bone.
- » Supports bone growth throughout the entire defect site.*
 - Forms strong bonds between MASTERGRAFT® Granules and natural bone surrounding the defect.
 - Residual granules are dispersed throughout the defect site and are in direct contact with woven bone and osteoid.
- » Designed to facilitate the regeneration of bone prior to complete resorption.*
 - Allows for bony ingrowth.
 - Biphasic composition avoids complete resorption prior to bone regeneration.



Product Ordering Information

MASTERGRAFT® Granules

Reference		Graft Volume
7600105		5.0cc vial 
7600110		10cc vial 
7600115		15cc vial   
7600130		30cc vial   

*Data on file.



Medtronic
Spinal and Biologics Business
Worldwide Headquarters

2600 Sofamor Danek Drive
Memphis, TN 38132

1800 Pyramid Place
Memphis, TN 38132

(901) 396-3133
(800) 876-3133
Customer Service: (800) 933-2635

For more information contact your local sales representative or Customer Service.

Medtronic International Trading Sàrl
Route du Molliau 31
1131 Tolochenaz

Tel. +41 (0)21 802 70 00
Fax +41 (0)21 802 79 00

www.medtronic.com