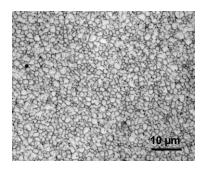




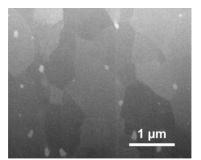
## **ECAP Mg-Zn-Ca**

Description	composition [wt%]						
Description	Zn	Ca	Mn	Fe	Mg		
Lean absorbable Mg-Zn-Ca alloy	0.45 - 0.55	0.55 - 0.65	<0.005	<0.005	bal.		

The lean Mg-Zn-Ca alloy consists only of elements that are naturally present in the human body and is ideal for temporary, absorbable medical implants. ECAP Mg-Zn-Ca produced with a special double ECAP tool offers a wide range of mechanical properties. The degradation behavior is slow and uniform in all cases.



- excellent biocompatibility
- uniform degradation in body fluids
- tuneable mechanical properties
- excellent strength & ductility
- excellent homogeneity



Condition	Mechanical properties (minimum values)			
	Rm [MPa]	Rp <sub>0.2</sub> [MPa]	A [%]	HV [HV2]
extruded	255	225	20	58
D-ECAP - high strength	350	340	5	78
D-ECAP – balanced strength & ductility	290	280	20	69

## **RHP-Technology GmbH**

Forschungs- und Technologiezentrum A-2444 Seibersdorf, Austria +43 (2255) 20 600 info@rhp.at www.rhp-technology.com

