

JCAST-GRN 10

Jewellery Castable

Jewellery and high-resolution metal patterns

Simulating wax, this high-contrast green material can rapidly produce high-quality pieces.



Benefits

- Rapid throughput time, with the material optimised for clean and easy burnout
- High-resolution and high-quality
- Highly accurate and reproducible parts

Applications

- Production master patterns for gypsum investment casting of:
 - A wide range of jewellery pieces
 - Rings
 - Brooches
 - Bracelets
- Suitable for a range of precious metals
- Highly detailed models for design validation, customer samples, etc.



Physical Properties

Colour	Green
Type	Wax

Liquid Material

Solid Density (@ 25°C)	1.18g/cm ³
Layer Thickness (mm)	0.02

Mechanical Properties

		TEST/ISO
Tensile Strength (MPa)	13.7	ASTM D638
Tensile Modulus (MPa)	262	
Elongation Break (%)	12	
Coefficient of Thermal Expansion (CTE)(ppm/°C) >Tg	143	ASTM E831
Hardness, Shore	68D	ASTM D2240
Water Absorption (%)	1.3	ASTM D570

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