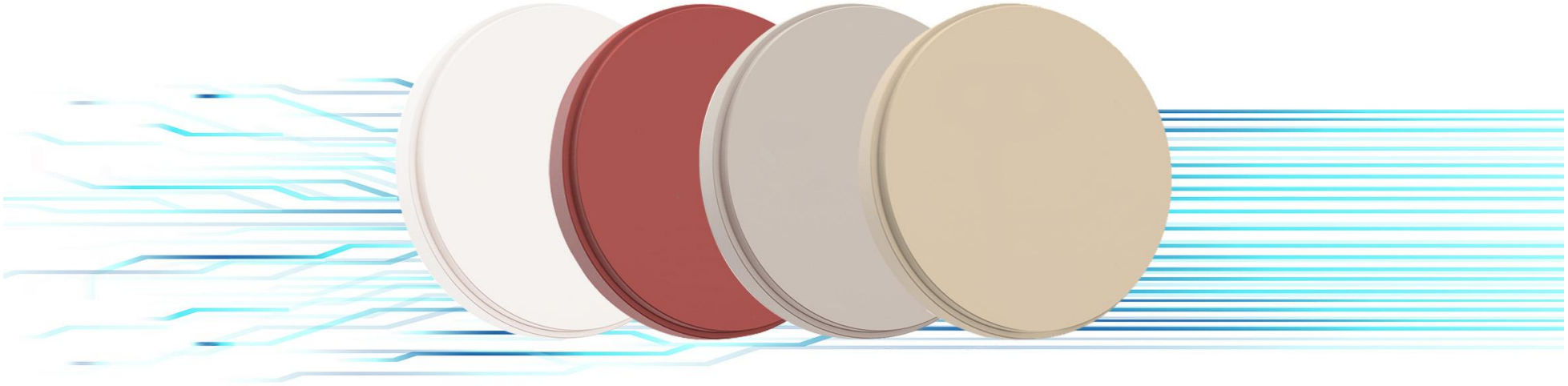
WAX&PMMA&PEEK



WAX CAD-CAMdisc

ACME wax blanks fulfil the special needs of dental technicians while meeting the technical requirements of the milling and subsequent casting process. Wax accelerates the design process for all kinds of restorations, from single crowns to large widespan bridges, as well as inlays, onlays or abutments, even partial dentures and wax-ups.

Advantages at aglance

Due to the optimal melting point of 100-120°C,the material can be processed very well and allows downstream manual corrections or additions.The milled material has a very good surface quality and accuracy of fit. Leongy wax is shows good milling prope-rties and burns out without residue.

- Burns out with no residue
- Excellent and easy millability
- Glass-smooth,smear-proof&bubble-free

Characteristics	Colors	Height(mm)
Hardness: 45-55 Mpa	Green	10
Melting Point: 116°C	Blue	12
Density: 0.89-0.93 g/cm³	Beige	14
Sharpability: Excellent	Grey	16
Thermal decompositions	White	18
residue: <0.30%	Atrovirens	20
Linear Expansion: 5%		22
		25

Indications

Inlays, onlays, single crowns,multi-unit bridges of up to l6 units, abutments,partial dentures,wax-ups,model castings.

Millability
Dimensional stability

PMMA CAD-CAMdisc MONOLAYER

With the hinghly cross-linked polymethy methacrylate(PMMA),you can easily combine precise processing with outstanding material properties. Excellent milling behaviour, high stability and good polishing properties make leongy a first-class choice for laboratory fabricatde temporary restorations and splints.

Advantages at aglance

- Lasting shade stability
- Natural tluorescence
- Simple reproducibility of the temporary dental prosthesis

Characteristics

Modulus of Elasticity: 100MP
Density: 1.35-1.45g/c m^3
Hardness:85-90Mpa
Absorption: <0.04%
Component: PMMA>99%
Pigment<1%

Colors

A1,A2,A3,A3.5,A4
B1,B2,B3,B4
C1,C2,D3,C4
D1,D2,D3,D4
Pink,Clear
White,Bleach

Indications

Temporary crowns and bridges.

Esthetic
Polishing properties

PMMA CAD-CAMdisc BILAYER

Can be used to mill digitally designed highly esthetic and functional dentures.

Advantages at aglance

- Lasting shade stability
- Natural tluorescence
- Simple reproducibility of the temporary dental prosthesis

Characteristics

Modulus of Elasticity: 100MP
Density: 1.35-1.45g/c m^3
Hardness:85-90Mpa
Absorption: <0.04%
Component: PMMA>99%
Pigment<1%

Colors

A1,A2,A3,A3.5,A4
B1,B2,B3,B4
C1,C2,D3,C4
D1,D2,D3,D4
Pink
Pink veind

Indications

Full dentures, partial dentures, temporary immediate load implant dentures.

Esthetic
Polishing properties

PMMA CAD-CAMdisc Multilayer

PMMA-multilayer polymethy methacrylate for high aesthetic demands
For the fabrication of temporary, long-term or permanent restaurations. It is extremely plaque resistant, can be layered and individualised with resins and composites. The result of the 4 layers is an extremely natural colour transition for vivid , lively restorations.

The multi-co ored disc consists of tour colorshades with gentle color transitions that provide a natural look.

Characteristics

Modulus of Elasticity: 100MP
Density: 1.35-1.45g/c m^3
Hardness:85-90Mpa
Absorption: <0.04%
Component: PMMA>99%
Pigment<1%

Colors

A1,A2,A3,A3.5,A4
B1,B2,B3,B4
C1,C2,D3,C4
D1,D2,D3,D4

Indications

Temporary crowns and bridges.

Esthetic
Polishing properties

PMMA CAD-CAMdisc

MMA- multilayer polymethylmethacrylate for high aesthetic and clinic chairside demands.are optimized for use for inlays, partial crowns,and veneers.

NO	Spec	Thickness	Color	
1	Sorina	C14 (5pcs/Box)	Vita 16 Colors	
2		B40 (4pcs/Box)		

FLEXIBLE RESIN CAD-CAMdisc

Acetal is a pure, highly crystalline acetal copolymer resin possessing high tensile and flexural strength,fatigue resistance, and hardness. These properties, when combined with its very low moisture absorption,make the acetal material ideally suited for milling a variety of removable dental appliances, including partial denture frameworks, provisional crowns and bridges, and bite splints.

Colors AO, Al, A2, A3,A3.5, Bl,CLEAR,PINK

Indications

Removable prosthetic dental appliances

- Bite splint
- Partial denture clasp
- Partial denture framework
- Provisional crown & bridge

Features

- Favorable biocompatibility, no gingival irritation.
- Good wear resistance, non-stick knife, easy to rotate.
- Appropriate strength and toughness, be suitable for clinical usage.
- Stable color with certain penetration to achieve the desired eflect.

Property	Unit	Value
Density	g/cm3	1.41
Tensile Strength	MPa	61.00
Tensile Modulus	MPa	2820.00
Flexural Strength	MPa	90.00
Flexural Modulus	MPa	2620.00
Moisture Absorption	WT%	0.22

PEEK CAD-CAMdisc

POLYETHER ETHER KETONE is a high-performance thermoplastic polymer with high strength-to weight ratio and corrosion resistance that makes it suitable as a selectable material to replace metal, with its ideal combination of biocompatibility andmaximum loading capacity is the premium solution for the biological balance of denture base and restorative material.

The proven medical-grade-quality used as reliable surgical endoprosthetics material is currently the most interesting dental CAD/CAM material for manufacturing high-end medical device class products.

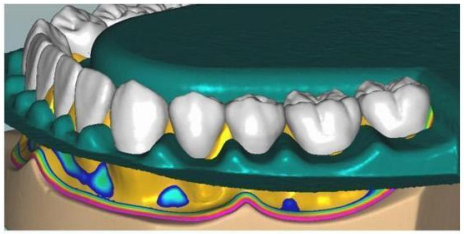
Colors White,Natural,Beige,Pink

Indications

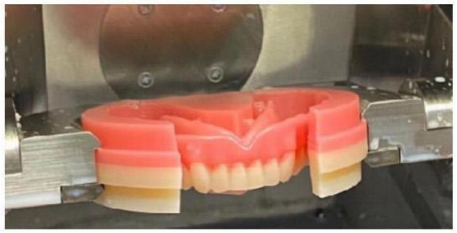
- hybrid abutments
- gingiva formers
- bite splint
- retaining elements
- frameworks for clasp dentures
- tertiary constructions
- telescopic crowns
- crowns and bridges
- transversal connectors
- occlusal splints
- denture bases
- sublingual clasps

Tensile strength	Mpa	98
Elongation at break	%	45
Cantilever impact	MPa	179KJ/M2
Bending strength	MPa	162
Flexural Modulus	MPa	4
Moisture absorption	WT%	0

DIGITAL REMOVABLE DENTUR CAD-CAMdisc



It's allows you to fabricate monolithic removable dentures by means of an efficientdigital workflow.with a 3D layered structure can satisfy patients with different jaw functions and can meet different shapes and sizes of teeth.



Complete dentures are milled from one disc in one milling process and with only a few manual working steps.

Precise mold taking can achieve the function of adsorptive denture. Material design optimization , while meeting the requirements , precise positioning , reducing the use of materials.

Indications

- Individual complete dentures
- Immediate complete dentures