

**PALA®**

Mould Chart



**Pala® Mondial® i and Pala® Mondial®**

Giving a hand to oral health.









**KULZER**  
MITSUI CHEMICALS GROUP

# With Pala Mondial i and Pala Mondial you have the freedom to combine aesthetics and functionality at your will.










Pala Mondial i and Pala Mondial are the time tested denture teeth that meet all the requirements of modern dental technology. They are the first lines of denture teeth to feature NanoPearls and guarantee highest abrasion resistance. The large selection of mould designs provides flexibility when choosing teeth for the denture.

Combining CAD/CAM technology and the INCOMP procedure maintains our exemplary form and functional accuracy. You always receive reliable, dependable shade values for all Pala denture teeth and thus an even better adaptation to facings and any residual dentition.

## Anterior Indications

<b>Mondial 6</b>	 Full Denture	 Implant-Borne Denture	 Partial Denture
<b>Mondial 6i</b>	 Implant-Borne Denture	 Partial Denture	 Full Denture

## Posterior Indications

<b>Mondial 8</b>	 Full Denture	 Implant-Borne Denture	 Partial Denture
<b>Mondial 8i</b>	 Partial Denture	 Implant-Borne Denture	 Full Denture
<b>Mondial 8i 5°</b>	 Partial Denture	 Implant-Borne Denture	 Full Denture

## Pala Mondial i 5° – Makes combining function and aesthetics a greater possibility.

The true-to-nature flat cusp angle and lifelike characteristics are tailored to suit implant-borne bridges and geriatric prosthetics.

### The facts

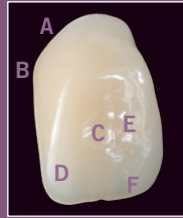
- Perfect coverage of tertiary and implant structures through wider cervical area and high tooth volume
- Better interdental closure and optimal cleanability through bigger proximal surfaces
- Best possible manufacturing - Safe and fast set-up through definite bite index and maximized freedom in the centric relation
- High wear and break resistance due to Nanopearls material technology. The special Pala Mondial i morphology reduces excessive initial wear



# Mondial i

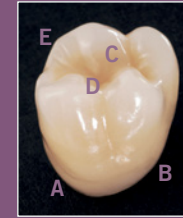
## The facts

- Denture Acrylic with NanoPearls® for high abrasion resistance and lifelike opalescence
- Our teeth can be applied to any set-up concept or for eugnathic and disgnathic jaw relationships and give the technician greater flexibility.
- True to nature moulds identical with natural teeth
- Indistinguishable from residual dentition
- Widened base and increased volume for improved papillae contouring



### Mondial 6i Anteriors

- A Variable cervical area
- B Wide tooth base
- C Lifelike labial surface
- D Layering simulates natural teeth
- E 3D-Multilayering
- F Naturally contoured labial surface



### Mondial 8i Posteriors

- A Variable cervical area
- B Wide tooth base
- C Occlusion design allows lingual and balanced occlusion set-up
- D Width of occlusal surface similar to natural teeth
- E Provision for spot grinding in the incisal edge

The R8, S8, L19 and L24 anteriors have significantly more volume and are a prominent highlight of the extended Pala Product range.

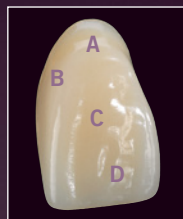
- A widened base, greater use of tooth length and depth through greater volume, improved overall aesthetics, easier masking
- Less concave palatal areas means lower lateral forces and higher stability
- Larger proximal areas mean best possible proximal closing and better overall aesthetics
- Rounded canines give patients a more natural appearance



# Mondial

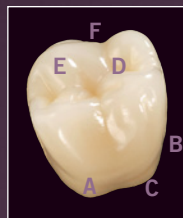
## The facts

- Fast and unambiguous set-up
- Precisely defined centric means simple set-up
- Precise function without time consuming spot grinding
- NanoPearls guarantees high abrasion resistance and durability
- Lifelike and vivid surface structures match the basic tooth form and appear harmonious.
- Widened tooth base and increased volume aid papillae contouring and eliminate dark recesses and vertical edges.



### Mondial Anteriors

- A Variable cervical area
- B Wide tooth base, soft transition
- C Lifelike surface structure
- D Layering + Material = Opalescence



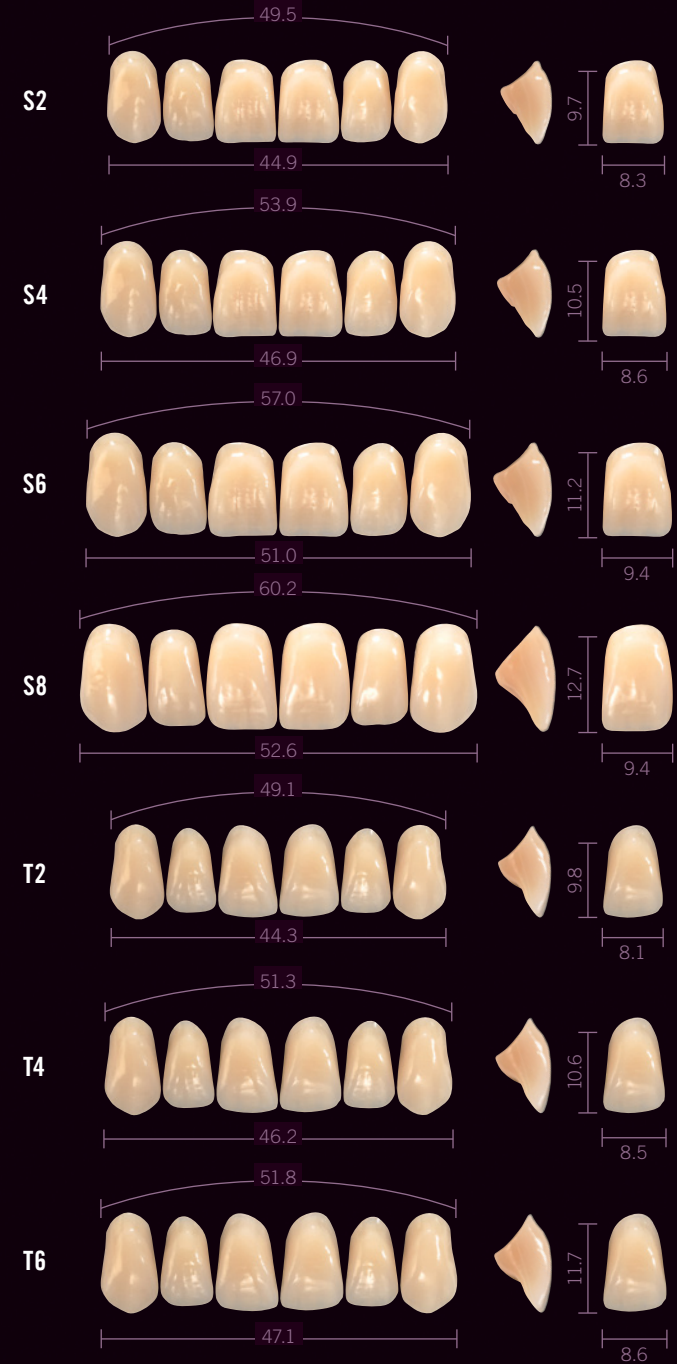
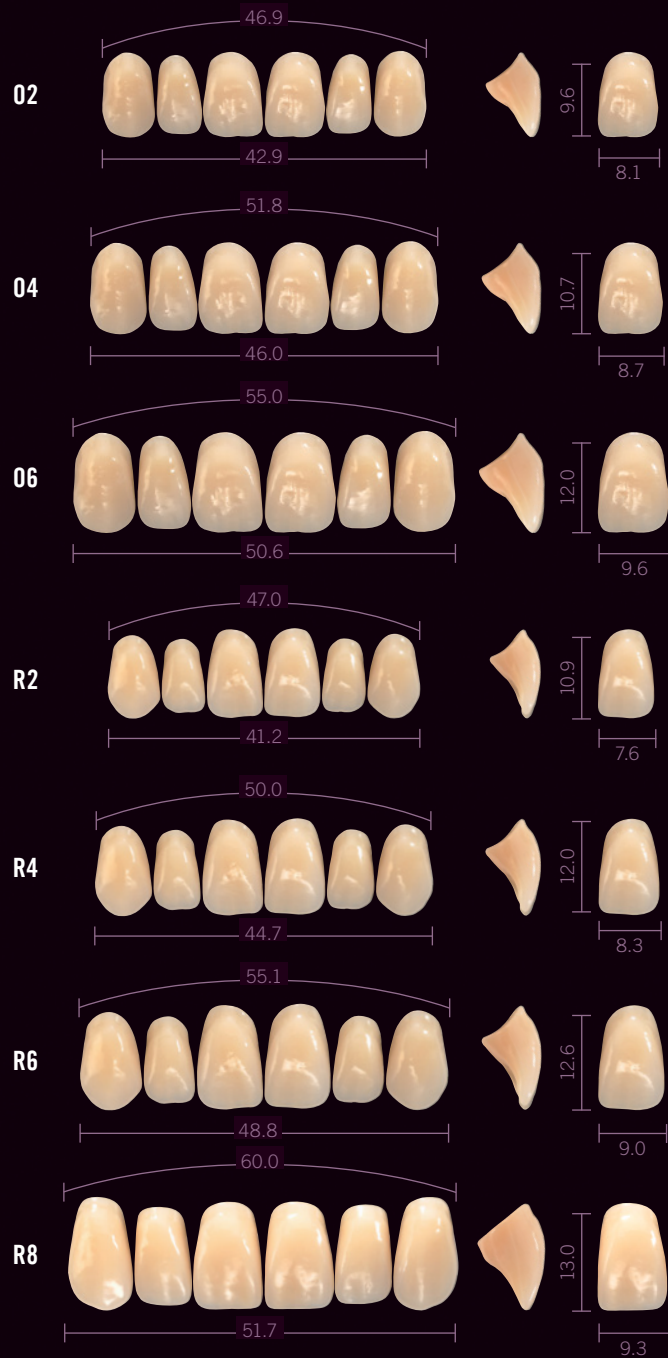
### Mondial Posteriors

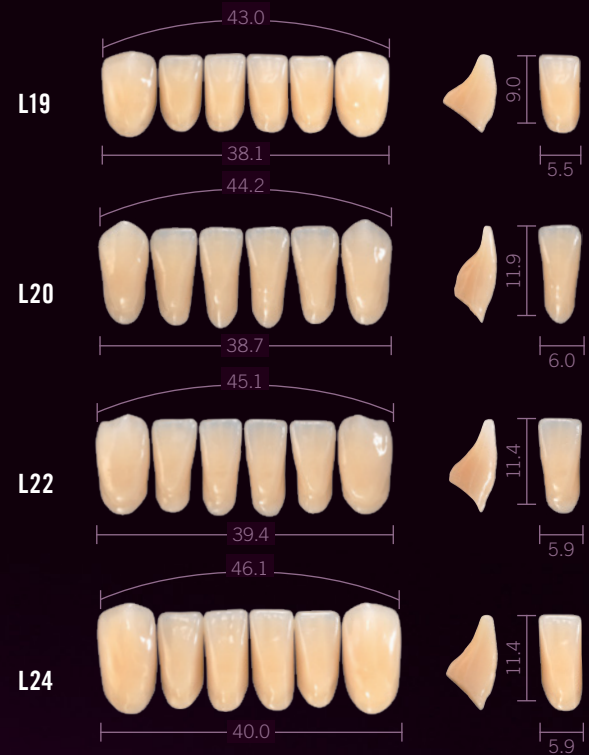
- A Variable cervical area
- B Wide tooth base
- C Bilaterally digitalized, symmetrical
- D Functionally improved occlusal design
- E Provision for spot grinding in the incisal edge
- F Lifelike cusp design



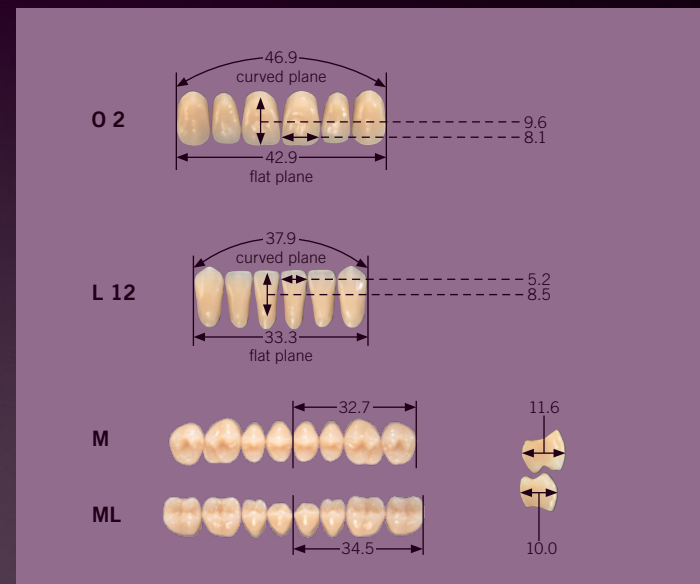


# Mondial 6i Anteriors / Antérieures



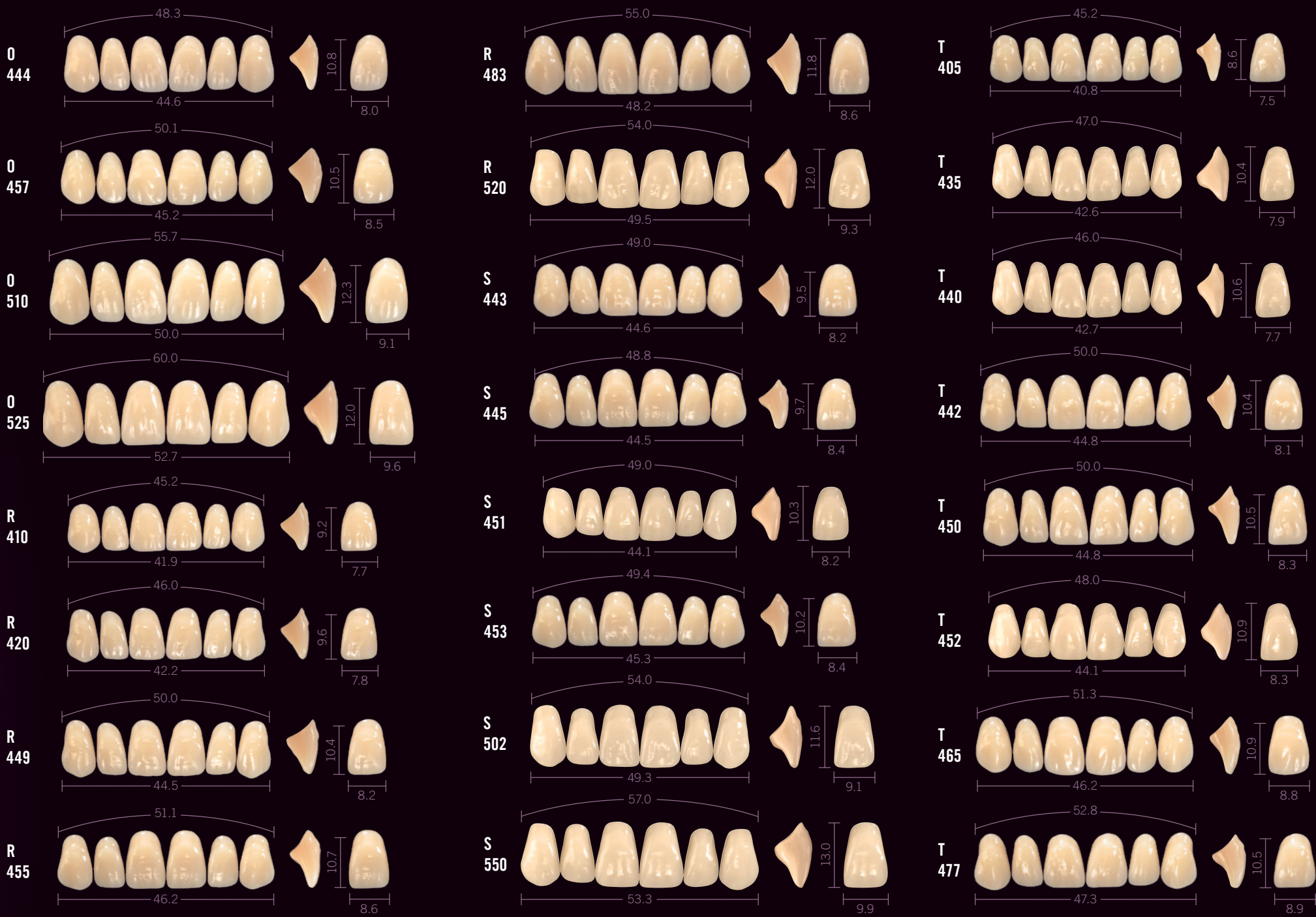


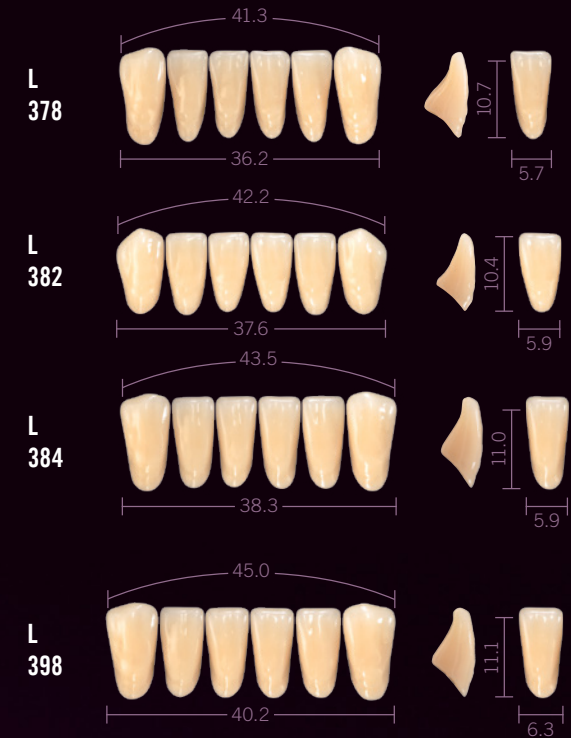
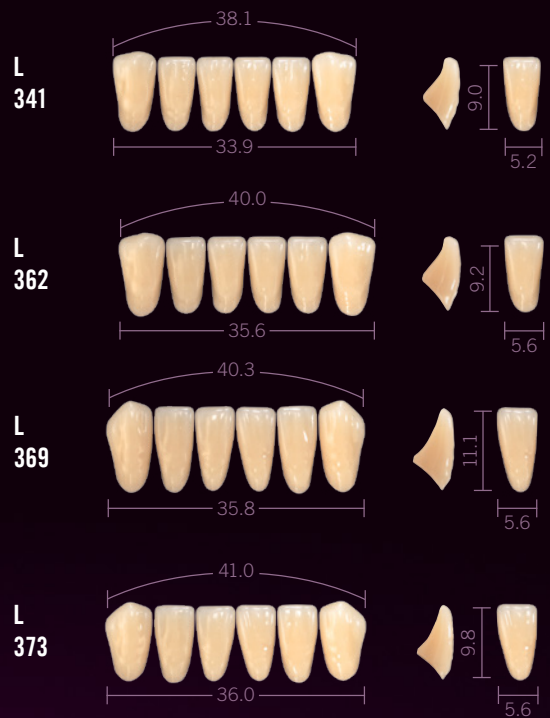
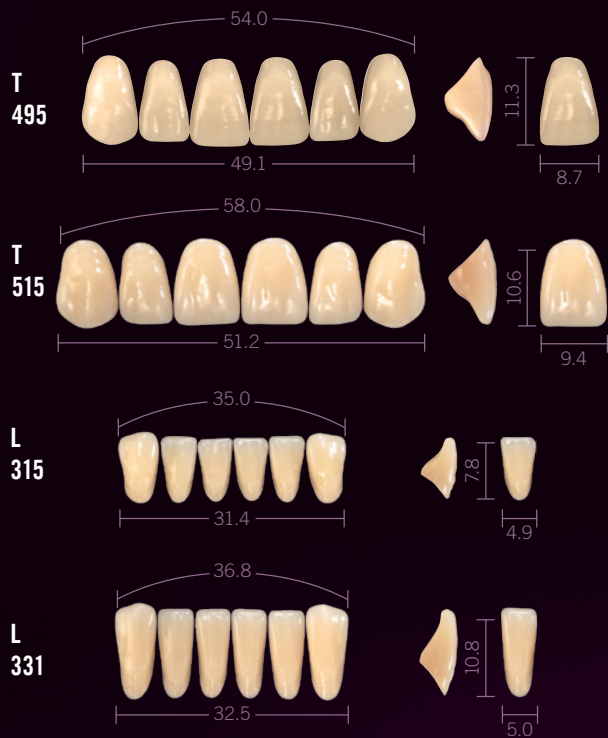
# Pala Mix & Match



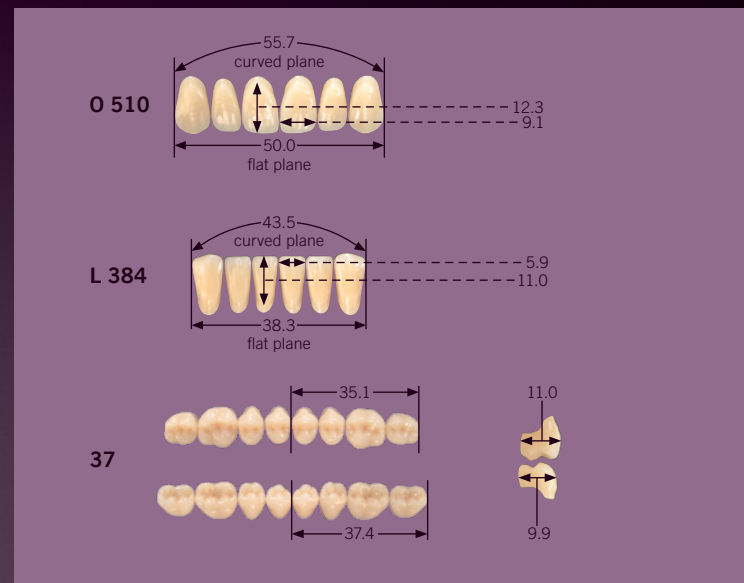


# Mondial 6 Anteriors / Antérieures













# Pala Mix & Match



# Pala Mix & Match









Mould numbers and possible combinations

The following chart shows the Mondial and Mondial i teeth combinations to illustrate how customized your solutions can be.

	Mondial 6 Upper 	Mondial 6 Lower 	Mondial 8i 5°* & 33° 	Mondial 8 10° & 20° 
 Ovoid Ovoide	O444	L341, L373, L369	S/SL, 33	30, 33
	O457	L369, L362	S/SL + M/ML, 35	32, 35
	O510	L384, L398	L/LL, 37	32, 37
	O525	L398	L/LL, 37	32, 37
 Rectangular Rectangulare	R410	L331, L341	XS/XSL, 31	28, 29, 31
	R420	L331, L341	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	R449	L362, L369, L373	S/SL + M/ML, 33, 35	30, 32, 33, 35
	R455	L362, L369	S/SL + M/ML, 33, 35	30, 32, 33, 35
	R483	L378, L382	M/ML + L/LL, 35, 37	32, 35, 37
	R520	L384, L398	L/LL, 37	37
 Square Carré	S443	L373, L369	S/SL, 33	30, 33
	S445	L341, L369	S/SL, 33	30, 33
	S451	L362, L369, L373	M/ML + S/SL, 33, 35	33, 35
	S453	L373, L362	S/SL, 33	30, 33
	S502	L384, L398	L/LL, 37	37
	S550	L398	L/LL, 37	37
 Triangular Triangulare	T405	L315	-	28, 29
	T435	L331, L341	XS/XSL + S/SL, 31, 33	31, 33
	T440	L331, L341	XS/XSL + S/SL, 31, 33	31, 33
	T442	L331, L341, L362	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	T450	L341, L369	S/SL, 33	30, 33
	T452	L341, L369	S/SL, 33	33
	T465	L362, L378	M/ML, 35	32, 35
	T477	L362, L378	M/ML, 35	32, 35
	T495	L378, L382	M/ML + L/LL, 35, 37	35, 37
	T515	L384	L/LL, 35, 37	32, 35, 37

\*Please note: Mondial i - 5° teeth have the same moulds as Mondial. There is a point of differentiation in the layering of the tooth and the volume base.



	Mondial 6i Upper 	Mondial 6i Lower 	Mondial 8i 5°* & 33° 	Mondial 8 10° & 20° 
 <b>Ovoid</b> <b>Ovoide</b>	O2	L12, L14	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	O4	L16, L18, L19	S/SL + M/ML, 35	30, 32, 35
	O6	L19, L20, L22	L/LL, 37	32, 37
 <b>Rectangular</b> <b>Rectangolare</b>	R2	L12	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	R4	L14, L16	S/SL + M/ML, 33, 35	30, 32, 33, 35
	R6	L18, L19	M/ML + L/LL, 35, 37	32, 35, 37
	R8	L24, L22	L/LL, 37	37
 <b>Square</b> <b>Carré</b>	S2	L14, L16	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	S4	L18, L19	M/ML, 33, 35	32, 33, 35
	S6	L20, L22	L/LL, 37	32, 37
	S8	L24, L22	L/LL, 37	37
 <b>Triangular</b> <b>Triangolare</b>	T2	L14	XS/XSL + S/SL, 31, 33	28, 30, 31, 33
	T4	L16, L19	S/SL + M/ML, 33, 35	30, 32, 33, 35
	T6	L18, L19	L/LL, 35	32, 35

\*Please note: Mondial i - 5° teeth have the same moulds as Mondial. There is a point of differentiation in the layering of the tooth and the volume base.



## Pala Mix & Match

# Mondial Mould Comparison Chart

Kulzer	Dentsply Portrait® IPN®	Ivoclar BlueLine®
R 410	21C, 43D	A41, P15
R 420	21D, 42D, 55D	A44, P1, P2, P14
R 449	12E, 22E, 54F	P17
R 455	12F, 25G, 42F	A66, P5
R 483	12G, 32G, 45H, 62G, 74H, 75G	A37, P11, P8
R 520	21G	A16, A17
S 443	13E, 24F, 32E	A13
S 445	–	P4
S 451	12E	A26
S 453	22G, 21X, 75E	–
S 502	11H	P12
S 550	21J	P18
T 405	22C, 32B	A11
T 435	42D	P3
T 440	21D	P2
T 442	–	–
T 450	–	A12, A42, P7
T 452	22E	P6
T 465	43F	A36, A54, P13, P6
T 477	11G, 42G	A14, P16
T 495	45H	P10
T 515	21E	P12
O 444	31F	–
O 457	55F	A32
O 510	21G	A16
O 525	–	A17
L 315	C, D	–
L 331	E, F, H	A2, A3, A4
L 341	L, N, G	–
L 362	J, M	A5, A6
L 369	O, P	–
L 373	–	–
L 378	I	AL
L 382	S	–
L 384	K1, U	A8
L 398	W	–

# Mondial i Mould Comparison Chart

Kulzer	Dentsply Portrait® IPN®	Ivoclar BlueLine®	Phonares®
R 2	42D/22C	A44	S61
R 4	22E	P3	S81
R 6	21E	NM	S72
R 8	21J	P18	B63
S 2	12E	A11	B81
S 4	43F	A24B	B82
S 6	12G	P9	B83
S 8	41J	–	B73
T 2	43F	P13	B61
T 4	32G	P8	B82
T 6	42G	A25	B72
O 2	55D	A12	B61
O 4	55F	A56	S72
O 6	21G	A15	B73
L 12	P	A2L	L50
L 14	M	A5	L51
L 16	K1	A7	L51
L 18	W	A8	L53
L 19	V	A8	–
L 20	K1	A8	L25
L 22	W	NM	L52
L 24	K1	–	L52

# Teeth Shade Conversion Chart

Kulzer Mondial® and Mondial i*	Vita 3D Master	Vita Classic	Vita MFT	Dentsply Portrait® IPN®	Dentsply Bioform® IPN®	Dentsply Bioblend® IPN®	Dentsply Trublend® SLM	Ivoclar Chromoscop	Ivoclar Vivodent-PE	Ivoclar BlueLine®	Ivoclar Phonares®
A1	2M1	A1	A1	P1	B51, B59	100	T9	120	1A	A1	A1
A2	2M2	A2	A2	P2	B53, B59, B62	104	T11	130	2A	A2	A2
A3	3M2	A3	A3	P3	B54, B65	108	T13	140	1C	A3	A3
A3.5	3R2.5	A3.5	A3.5	P3.5	B83, B96	116	T20	230	1E	A3.5	A3.5
A4	4M2	A4	A4	P4	B78, B81, B84, B96	118	T20	340	3E	A4	A4
B1	1M1	B1	B1	P11	B59	100	T22	120	1A	B1	B1
B2	2L1.5	B2	B2	P12	B52, B63, B66, B68, B92	104	T24	120	1A	B2	B2
B3	3L2.5	B3	B3	P13	B55, B56, B64, B65, B67, B77, B95	109	T23	210	2B	B3	B3
B4	3M3	B4	B4	P14	B56, B70, B83, B84	110	T10	320	5B	B4	B4
C1	3M1	C1	C1	P21	B59, B69, B91	102	T6	120	1A	C1	C1
C2	3L1.5	C2	C2	P22	B94	106	T7	430, 440	4B, 6C	C2	C2
C3	4L1.5	C3	C3	P23	B95	—	T8	430, 510	4B, 6D	C3	C3
C4	5M1	C4	C4	P24	B96	—	T3	520	4C	C4	C4
D2	3M1	D2	D2	P32	B92	—	T14	130	2A	D2	D2
D3	3M2	D3	D3	P33	B65, B93	—	T5	410	4A	D3	D3
D4	3L1.5	D4	D4	P34	B69	113	T2	440	6C	D4	D4
BL2	—	—	—	PW4	—	—	—	—	—	O10	—
BL3	—	—	OM3	PW2	—	—	—	—	—	O30	BL3
—	—	—	—	—	—	—	—	—	—	—	BL4

\*Kulzer Shades are equivalent to Vita Shades. Mondial® and Mondial i are available in 18 shades (A1–D4, BL2 and BL3).

Kulzer teeth meet and exceed all the requirements of EN ISO 22112:2006 and ANSI/ADA Specification No. 15-1999.



## Pala Mix & Match Shade Guide



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Portrait, Bioform, Bioblend, Trublend and IPN are registered trademarks of Dentsply International, Inc.  
BlueLine and Phonares are registered trademarks of Ivoclar Vivadent.





## High Technology:

Absolutely consistent, high quality every time

- Computer aided development and manufacturing (CAD/CAM) for highest precision
- **The result: Guaranteed identical pairs as well as authentic function and size**

## The Patent:

The unrivaled NanoPearls® filler material

- The NanoPearls filler is patented and consists of a unique micro filler combined with a viscoelastic nano filler
- **The result: The highest abrasion resistance and high fracture resistance for a significantly greater lifespan**

## The Characteristics:

No bubbles, no porosity – reliability

- The INCOMP manufacturing process ensures bubble and porous free acrylic teeth with extremely high density
- **The result: Reliable and consistent quality in every tooth**

## The Durability:

Studies demonstrate abrasion resistance

- Independent studies at Heidelberg University and Charité University Medical Centre in Berlin show that abrasion resistance is 50 % higher than in conventional PMMA materials
- **The result: Long-lasting, quality dentures with a 12-year manufacturer's warranty**

# Mondial 8 Posteriors / Postérieures

10°

28U



27.7

28L



29.4

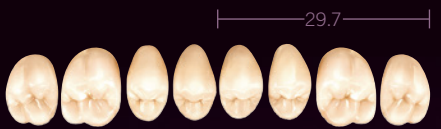
10.1



9.5

10°

30U



29.7

30L



31.7

10.9



10.1

10°

32U



32.2

32L



33.8

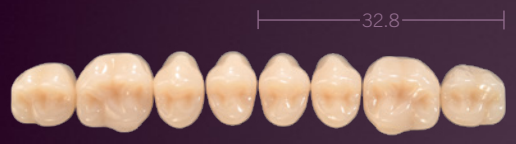
11.5



11.0

20°

35U



32.8

35L



35.1

10.5



9.6

20°

29U



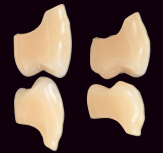
27.2

29L



29.3

8.5



8.2

20°

31U



28.8

31L



31.1

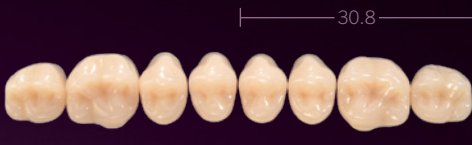
9.2



8.7

20°

33U



30.8

33L



33.1

9.9



9.3

20°

37U



35.1

37L



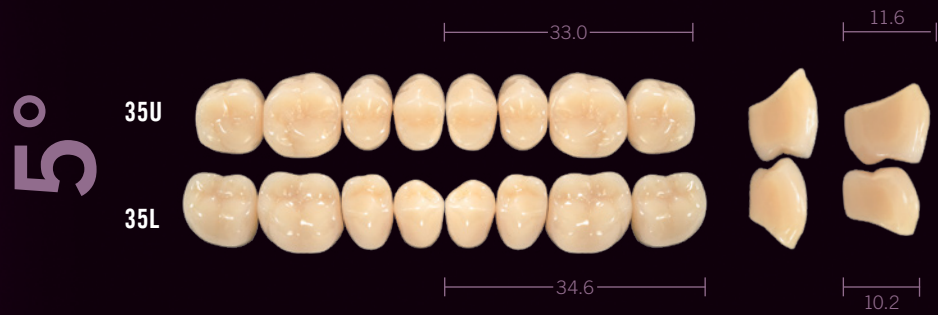
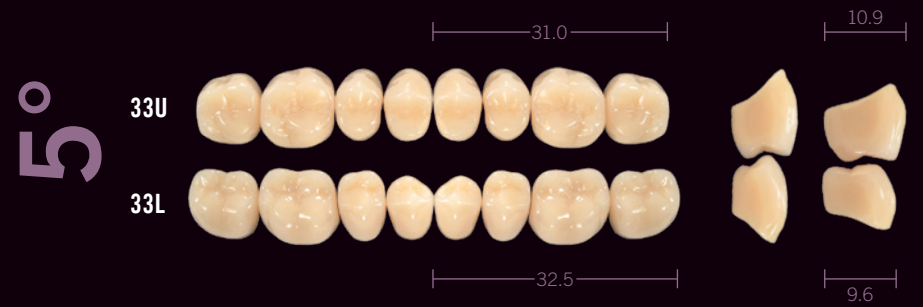
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11.0



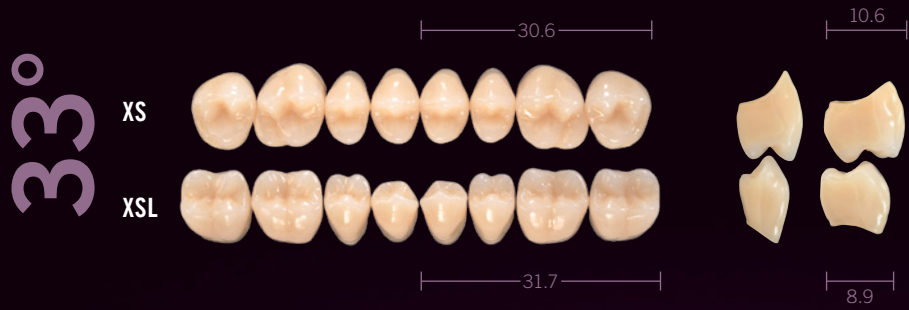
9.9

# Mondial 8i Posteriors / Postérieures





# Mondial 8i Posteriors / Postérieures



Also from Kulzer:

## Pala® Polish

Achieve a high shine and remove scratches in one step.

### The cream for polishing dental appliances

- Simultaneously removes scratches and leaves a high shine on dental appliances.
- No need for pumice.
- Reduce polishing times.
- Available in an 80 gram jar.



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