

Materials Data Sheet

Photopolymer Resin for
Form 1+ and Form 2



Prepared 09.18.2018
Rev 06.01.22.2019

formlabs 

STANDARD RESINS					
CLEAR FLGPCLO4 WHITE FLGPWH04 GREY FLGPGR04 BLACK FLGPBK04 COLOR BASE FLGPCB01					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Ultimate Tensile Strength	38 MPa	65 MPa	5510 psi	9380 psi	ASTM D 638-10
Tensile Modulus	1.6 GPa	2.8 GPa	234 ksi	402 ksi	ASTM D 638-10
Elongation at Break	12 %	6 %	12 %	6 %	ASTM D 638-10
Flexural Properties					
Flexural Modulus	1.3 GPa	2.2 GPa	181 ksi	0.5 ksi	ASTM C 790-10
Impact Properties					
Notched IZOD	16 J/m	25 J/m	0.3 ft-lbf/in	0.46 ft-lbf/in	ASTM D 256-10
Thermal Properties					
Heat Deflection Temp. @ 1.8 MPa	42.7 °C	58.4 °C	108.9 °F	137.1 °F	ASTM D 648-07
Heat Deflection Temp. @ 0.45 MPa	49.7 °C	73.1 °C	121.5 °F	163.6 °F	ASTM D 648-07

¹Material properties can vary with part geometry, print orientation, print settings, and temperature.

²Data was obtained from green parts, printed using Form 2, 100 µm, Clear settings, washed and air dried without post cure.

³Data was obtained from parts printed using Form 2, 100 µm, Clear settings, and post-cured with 1.25 mW/cm² of 405 nm LED light for 60 minutes at 60 °C.

TOUGH RESIN					
FLTOTL05					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Ultimate Tensile Strength	34.7 MPa	55.7 MPa	5040 psi	8080 psi	ASTM D 638-14
Tensile Modulus	1.7 GPa	2.7 GPa	239 ksi	387 ksi	ASTM D 638-14
Elongation at Break	42 %	24 %	42 %	24 %	ASTM D 638-14
Flexural Properties					
Flexural Stress at 5% Strain	20.8 MPa	60.6 MPa	3020 psi	8790 psi	ASTM D 790-15
Flexural Modulus	0.6 GPa	1.6 GPa	90.3 ksi	241 ksi	ASTM D 790-15
Impact Properties					
Notched IZOD	33 J/m	38 J/m	0.61 ft-lbf/in	0.71 ft-lbf/in	ASTM D256-10
Thermal Properties					
Heat Deflection Temp. @ 1.8 MPa	32.8 °C	45.9 °C	91.1 °F	114.6 °F	ASTM D 648-16
Heat Deflection Temp. @ 0.45 MPa	40.4 °C	48.5 °C	104.7 °F	119.3 °F	ASTM D 648-16
Coefficient of Thermal Expansion (23 – 50 °C)	159.7 µm/m/°C	119.4 µm/m/°C	88.7 µin/in/°F	66.3 µin/in/°F	ASTM E 831-13

¹Material properties can vary with part geometry, print orientation, print settings, and temperature.

²Data was obtained from green parts, printed using Form 2, 100 µm, Tough settings, washed and air dried without post cure.

³Data was obtained from parts printed using Form 2, 100 µm, Tough settings, and post-cured with 2.5 mW/cm² of 405 nm LED light for 120 minutes at 60 °C.

GREY PRO RESIN					
FLPRGR01					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Ultimate Tensile Strength	33 MPa	61 MPa	5076 psi	8876 psi	ASTM D 638-14
Tensile Modulus	1.4 GPa	2.6 GPa	203 ksi	377 ksi	ASTM D 638-14
Elongation at Break	33 %	13 %	33 %	13 %	ASTM D 638-14
Flexural Properties					
Flexural Stress at 5% Strain	39 MPa	86 MPa	5598 psi	12400 psi	ASTM D 790-15
Flexural Modulus	0.9 GPa	2.2 GPa	136 ksi	319 ksi	ASTM D 790-15
Impact Properties					
Notched IZOD	not tested	18.7 J/m	not tested	0.351 ft-lbf/in	ASTM D256-10
Thermal Properties					
Heat Deflection Temp. @ 1.8 MPa	not tested	62.4 °C	not tested	144.3 °F	ASTM D 648-16
Heat Deflection Temp. @ 0.45 MPa	not tested	77.5 °C	not tested	171.5 °F	ASTM D 648-16
Coefficient of Thermal Expansion (-30 to 30° C)	not tested	78.5 µm/m/°C	not tested	43.4 µin/in/°F	ASTM E 831-13

¹Material properties can vary with part geometry, print orientation, print settings, and temperature.

²Data was obtained from green parts, printed using Form 2, 100 µm, Grey Pro settings, washed and air dried without post cure.

³Data was obtained from parts printed using Form 2, 100 µm, Grey Pro settings, and post-cured with a Form Cure for 120 minutes at 80 °C.

RIGID RESIN					
FLRGWH01					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Ultimate Tensile Strength	40 MPa	75 MPa	5801 psi	10907 psi	ASTM D 638-14
Tensile Modulus	2.2 GPa	4.1 GPa	319 ksi	594 ksi	ASTM D 638-14
Elongation at Break	13.3 %	5.6 %	13.3 %	5.6 %	ASTM D 638-14
Flexural Properties					
Flexural Stress at 5% Strain	49 MPa	121 MPa	7135 psi	17593 psi	ASTM D 790-15
Flexural Modulus	1.4 GPa	3.7 GPa	198 ksi	537 ksi	ASTM D 790-15
Impact Properties					
Notched IZOD	not tested	18.8 J/m	not tested	0.37 ft-lbf/in	ASTM D256-10
Thermal Properties					
Heat Deflection Temp. @ 1.8 MPa	not tested	74 °C	not tested	165.2 °F	ASTM D 648-16
Heat Deflection Temp. @ 0.45 MPa	not tested	88 °C	not tested	190.4 °F	ASTM D 648-16
Coefficient of Thermal Expansion (-30 to 30° C)	not tested	53 µm/m/°C	not tested	29.5 µin/in/°F	ASTM E 831-13

¹Material properties can vary with part geometry, print orientation, print settings, and temperature.

²Data was obtained from green parts, printed using Form 2, 100 µm, Rigid settings, washed and air dried without post cure.

³Data was obtained from parts printed using Form 2, 100 µm, Rigid settings, and post-cured with a Form Cure for 120 minutes at 80 °C.

DURABLE RESIN

FLDUCL02

METRIC ¹		IMPERIAL ¹		METHOD	
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Ultimate Tensile Strength	18.6 MPa	31.8 MPa	2.7 ksi	4.6 ksi	ASTM D 638-10
Tensile Modulus	0.45 GPa	1.26 GPa	65.7 ksi	183 ksi	ASTM D 638-10
Elongation at Break	67 %	49 %	67 %	49 %	ASTM D 638-10
Flexural Properties					
Flexural Stress at 5% Strain	4.1 MPa	27.2 MPa	0.59 ksi	3.95 ksi	ASTM D 790-10, Procedure A
Flexural Modulus	0.16 GPa	0.82 GPa	23.4 ksi	119 ksi	ASTM D 790-10, Procedure A
Impact Properties					
Notched IZOD	130.8 J/m	109 J/m	2.46 ft-lbf/in	2.05 ft-lbf/in	ASTM D 256-10, Test Method A
Thermal Properties					
Heat Deflection Temp. @ 0.45 MPa	< 30 °C	43.3 °C	< 86 °F	110 °F	ASTM D 648-07, Method B
Coefficient of Thermal Expansion (23 to 50° C)	117.0 µm/m/°C	145.1 µm/m/°C	65.0 µin/in/°F	80.6 µin/in/°F	ASTM E831-14

¹ Material properties can vary with part geometry, print orientation, print settings, and temperature.

² Data was obtained from green parts, printed using Form 2, 100 µm, Durable settings, washed and air dried without post cure.

³ Data was obtained from parts printed using Form 2, 100 µm, Durable settings, and post-cured with 2.5 mW/cm² of 405 nm LED light for 120 minutes at 60 °C.

FLEXIBLE RESIN

FLFLGR02

METRIC ¹		IMPERIAL ¹		METHOD	
	Green	Post-Cured ²	Green	Post-Cured ²	
Mechanical Properties					
Ultimate Tensile Strength ³	3.3 - 3.4 MPa	7.7 - 8.5 MPa	483 - 494 psi	1100 - 1230 psi	ASTM D 412-06 (A)
Elongation at Break ³	60 %	75 - 85 %	60 %	75 - 85 %	ASTM D 412-06 (A)
Compression Set ⁴	0.40 %	0.40 %	0.40 %	0.40 %	ASTM D 395-03 (B)
Tear Strength ⁵	9.5 - 9.6 kN/m	13.3 - 14.1 kN/m	54 - 55 lbf/in	76 - 80 lbf/in	ASTM D 624-00
Shore Hardness	70 - 75 A	80 - 85 A	70 - 75 A	80 - 85 A	ASTM 2240
Thermal Properties					
Vicat Softening Point ⁶	231 °C	230 °C	448 °F	446 °F	ASTM D 1525-09

¹ Material properties can vary with part geometry, print orientation, print settings and temperature.

² Data was obtained from parts printed using Form 2, 100 µm, Flexible settings, and post-cured with 80.5 mW/cm² of 365 nm fluorescent light for 60 minutes.

³ Tensile testing was performed after 3+ hours at 23 °C, using a Die C dumbbell and 20 in/ min cross head speed.

⁴ Compression testing was performed at 23 °C after aging at 23 °C for 22 hours.

⁵ Tear testing was performed after 3+ hours at 23 °C, using a Die C tear specimen and a 20 in/min cross head speed.

⁶ Thermal testing was performed after 40+ hours with a 10 N loading at 50 °C/hour. Cracks formed in samples during testing.

ELASTIC RESIN

FLELCL01

METRIC ¹		IMPERIAL ¹		METHOD	
	Green	Post-Cured ²	Green	Post-Cured ²	
Mechanical Properties					
Ultimate Tensile Strength ³	1.61 MPa	3.23 MPa	234 psi	468 psi	ASTM D 412-06 (A)
Stress at 50% Elongation	.92 MPa	.94 MPa	133 psi	136 psi	ASTM D 412-06 (A)
Stress at 100% Elongation	1.54 MPa	1.59 MPa	223 psi	231 psi	ASTM D 412-06 (A)
Elongation at Break ³	100%	160%	100%	160%	ASTM D 412-06 (A)
Compression set at 23 °C for 22 hrs	2%	2%	2%	2%	ASTM D 395-03 (B)
Compression set at 70 °C for 22 hrs	3%	9%	3%	9%	ASTM D 395-03 (B)
Tear strength ⁴	8.9 kN/m	19.1 kN/m	51 lbf/in	109 lbf/in	ASTM D 624-00
Shore hardness	40A	50A	40A	50A	ASTM 2240

¹ Material properties can vary with part geometry, print orientation, print settings and temperature.

² Data was obtained from parts printed using Form 2, 100 µm, Elastic settings, washed in Form Wash for 20 minutes and postcured with Form Cure at 60 °C for 20 minutes.

³ Tensile testing was performed after 3+ hours at 23 °C, using a Die C dumbbell and 20 in/min cross head speed.

⁴ Tear testing was performed after 3+ hours at 23 °C, using a Die C tear specimen and a 20 in/min cross head speed.

HIGH TEMP

FLHTAM02

METRIC ¹				IMPERIAL ¹			METHOD
	Green ²	Post-Cured ³	Post-Cured + Additional Thermal Cure ⁴	Green ²	Post-Cured ³	Post-Cured + Additional Thermal Cure ⁴	
Mechanical Properties							
Ultimate Tensile Strength	20.9 MPa	58.3 MPa	48.7 MPa	3031 psi	8456 psi	7063 psi	ASTM D 638-14
Elongation at Break	14 %	3.3 %	2.3 %	14%	3.3%	2.3%	ASTM D 638-14
Tensile Modulus	0.75 GPa	2.8 GPa	2.8 GPa	109 ksi	399 ksi	406 ksi	ASTM D 638-14
Flexural Properties							
Flexural Strength at Break	24.1 MPa	94.5 MPa	97.2 MPa	3495 psi	13706 psi	14097 ksi	ASTM D 790-15
Flexural Modulus	0.7 GPa	2.6 GPa	2.8 GPa	100 ksi	400 ksi	406 ksi	ASTM D 790-15
Impact Properties							
Notched IZOD	32.8 J/m	18.2 J/m	16.9 J/m	0.61 ft-lbf/in	0.34 ft-lbf/in	0.32 ft-lbf/in	ASTM D 256-10
Thermal Properties							
Thermal Expansion (0-150 °C)	118.1 µm/m/ °C	79.6 µm/m/ °C	74.5 µm/m/ °C	41.4 µin/in/ °F	44.2 µin/in/ °F	41.4 µin/in/ °F	ASTM E 831-13
Heat Deflection Temp. @ 0.45 MPa	49 °C	120 °C	238 °C	120 °F	248 °F	460 °F	ASTM D 648-16
Heat Deflection Temp. @ 1.8 MPa	44 °C	78 °C	101 °C	111 °F	172 °F	214 °F	ASTM D 648-16

¹ Material properties can vary with part geometry, print orientation, print settings, and temperature.

² Data was obtained from green parts, printed using Form 2, 100 µm, High Temp settings, washed for 5 minutes in Form Wash and air dried without post cure.

³ Data was obtained from parts printed using a Form 2, 100 µm, High Temp settings, and post-cured with Form Cure at 60 °C for 60 minutes.

⁴ Data was obtained from parts printed using a Form 2, 100 micron, High Temp settings, and post-cured with Form Cure at 80 °C for 120 minutes plus an additional thermal cure in a lab oven at 160 °C for 180 minutes.

CASTABLE WAX RESIN

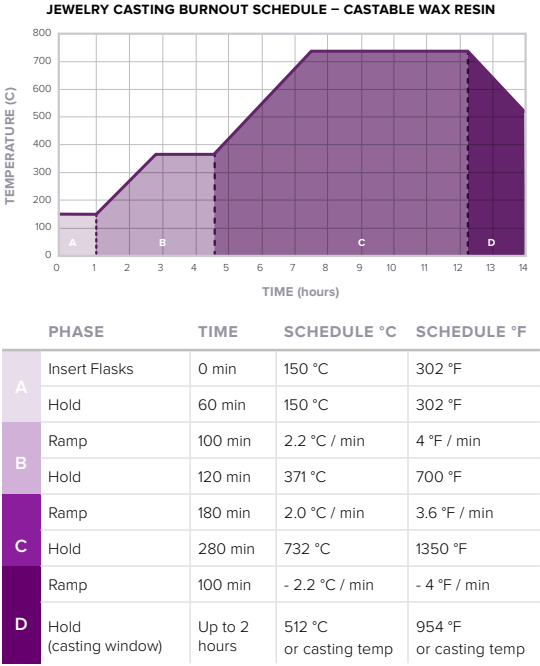
FLCWPU01

	METRIC ¹	IMPERIAL ¹	METHOD
Tensile Properties ²			
Ultimate Tensile Strength	11.6 MPa	1680 psi	ASTM D 638-10
Tensile Modulus	220 MPa	32 ksi	ASTM D 638-10
Elongation at Break	13 %	13 %	ASTM D 638-10
Burnout Properties ²			
Temp @ 5% Mass Loss	249 °C	480 °F	ASTM E 1131
Ash content (TGA)	0.0-0.1%	0.0-0.1%	ASTM E 1131

¹ Material properties can vary with part geometry, print orientation, print settings, and temperature.

² Data was obtained from parts printed using Form 2, Castable 50 µm Fine Detail settings and washed without post-cure.

The Standard Burnout Schedule is designed to provide the maximum possible investment strength and complete burnout of the finest details using R&R Plasticast or similar investment materials. Use this schedule as a starting point and make adjustments as needed.



Post-Curing Info:
No post-cure required.

CASTABLE RESIN

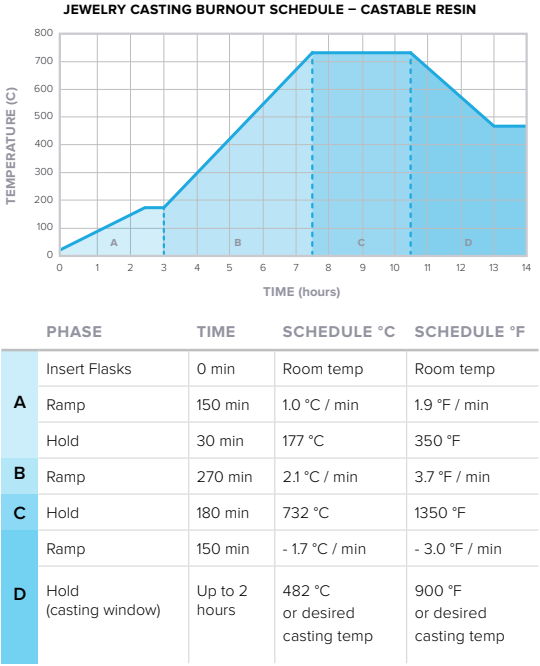
FLCABL02

	METRIC ¹	IMPERIAL ¹	METHOD
Tensile Properties ²			
Tensile Strength at Break	11.6 MPa	1680 psi	ASTM D 638-10
Tensile Modulus	220 MPa	32 ksi	ASTM D 638-10
Elongation at Break	13 %	13 %	ASTM D 638-10

¹ Material properties can vary with part geometry, print orientation, print settings, and temperature.

² Data was obtained from parts printed using Form 2, Castable 50 µm Fine Detail settings, and post-cured with 2.5 mW/cm² of fluorescent bulb UV light, centered at 405 nm.

We specifically recommend Plasticast with BANDUST. If seeking alternatives, look for investments advertised to work with photopolymers. Customers have reported success with Kerr SatinCast and Omega+ by Goldstar Powders. You can also experiment with bonded investments, like those typically used for dental applications. Some casting houses have also developed proprietary investments.



Post-Curing Info:
Formlabs recommends post-curing Castable Resin parts for 280 minutes at 45 °C.

DENTAL LT CLEAR

FLDLCLO1

METRIC ¹			METHOD ¹		
	Post-Cured ²				
Flexural Properties					
Ultimate Flexural Strength	≥ 50 MPa (no break)		ISO 20795-2:2013		
Flexural Modulus	≥ 1300 Mpa		ISO 20795-2:2013		
Hardness Properties					
Shore Hardness	80 - 90D		ISO 868:2003		
Impact Properties					
Maximum stress intensity factor	≥ 1.1 MPa·m ^{1/2}		ISO 179:2010		
Total fracture work	≥ 250 J/m ²		ISO 20795-2:2013		

Dental LT Clear is tested at NAMSA, Chasse sur Rhône in France, and is certified biocompatible per EN-ISO 10993-1:2009/AC:2010. Further details are available upon request.

The product is in compliance with ISO Standards:

- EEN ISO 1641:2009
- EN-ISO 10993-1:2009/AC:2010
- EN-ISO 10993-3:2009
- EN-ISO 10993-5:2009
- EN 908:2008

NOTES:
¹Material properties can vary with part geometry, print orientation, print settings, and temperature.
²Data refers to post-cured properties obtained after exposing green parts to 108 watts each of Blue UV-A (315 – 400 nm) and UV-Blue (400 – 550 nm) light, in a heated environment at 80 °C (176 °F), with six (6) 18W/71 lamps (Dulux L Blue) and six (6) 18W/78 lamps (Dulux blue UV-A) for 20 minutes.

DENTAL MODEL

FLDMBE02

METRIC ¹			IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Tensile Strength at Yield	33 MPa	61 MPa	4800 psi	8820 psi	ASTM D 638-14
Tensile Modulus	1.0 GPa	2.7 GPa	230 ksi	397 ksi	ASTM D 638-14
Elongation at Failure	25 %	5 %	25 %	5 %	ASTM D 638-14
Flexural Properties					
Flexural Modulus	0.95 GPa	2.5 GPa	138 ksi	365 ksi	ASTM D 790-15
Flexural Strength at 5% Strain	33.9 MPa	95.8 MPa	4910 psi	13900 psi	ASTM D 790-15
Impact Properties					
Notched IZOD	27 J/m	33 J/m	0.5 ft-lbf/in	0.6 ft-lbf/in	ASTM D256-10
Thermal Properties					
Heat Deflection Temp. @ 1.8 MPa	32.8 °C	45.9 °C	91.1 °F	114.6 °F	ASTM D 648-16
Heat Deflection Temp. @ 0.45 MPa	40.4 °C	48.5 °C	104.7 °F	119.3 °F	ASTM D 648-16

¹Material properties can vary with part geometry, print orientation, print settings, and temperature.

²Data was obtained from green parts, printed using Form 2, 100 µm, Dental Model settings, washed and air dried without post cure.

³Data was obtained from parts printed using Form 2, 100 µm, Dental Model settings, and post-cured with 1.25 mW/cm² of 405 nm LED light for 60 minutes.

DENTAL SG

FLDGOR01

METRIC ¹			METHOD ¹		
	Post-Cured ²				
Flexural Properties					
Flexural Strength	≥ 50 MPa		ISO 20795-1:2013		
Flexural Modulus	≥ 1500 Mpa		ISO 20795-1:2013		
Hardness Properties					
Shore Hardness	≥ 80 D		per ISO 868:2003		
Impact Properties					
Charpy Impact Strength Unnotched	12 - 14 kJ/m ²		ISO 179:2010		

Dental SG is tested at NAMSA, Chasse sur Rhône in France, and is certified biocompatible per EN-ISO 10993-1:2009/AC:2010:

The product is in compliance with ISO Standards:

- EN-ISO 20795-1:2013 (Dentistry – Base Polymers – Part 1: Denture Base Polymers)
- EN-ISO 7405:2009/A1:2013 (Dentistry – Evaluation of biocompatibility of medical devices used in dentistry)
- EN-ISO 10993-1:2009/AC:2010 (Biological evaluation of medical devices – Part 1 – Evaluation and testing)

NOTES:
¹Material properties can vary with part geometry, print orientation, print settings, and temperature.
²Data refers to post-cured properties obtained after exposing green parts to 108 watts each of Blue UV-A (315 – 400 nm) and UV-Blue (400 – 550 nm) light, in a heated environment at 60 °C (140 °F), with six (6) 18W/71 lamps (Dulux L Blue) and six (6) 18W/78 lamps (Dulux blue UV-A).

DENTURE TEETH

FLDTA201

METRIC ¹			METHOD		
	Post-Cured ²				
Flexural Strength	> 50 MPa		ISO 10477		
Density	1.15 g/cm3 < X <1.25 g/cm ³		ASTM D792-00		

DENTURE BASE

FLDBLP01

METRIC ¹			METHOD		
	Post-Cured ²				
Flexural Strength	> 65 MPa		ISO 20795-1		
Density	1.15 g/cm3 < X <1.25 g/cm ³		ASTM D792-00		

Denture Base and Teeth resins were tested for biological evaluation of medical devices at WuXi Apptec, 2540 Executive Drive, St. Paul, MN, and is certified biocompatible per EN-ISO 10993-1:2009/ AC:2010:

Denture Teeth ISO Standard:

- EN-ISO 22112: 2017 (Dentistry – Artificial teeth for dental prostheses)
- Flexural Strength, Water sorption and Water solubility under EN-ISO 10477 (Dentistry – Polymer-based crown and veneering materials) Type 2 and Class 2

Denture Base ISO Standard

- EN-ISO 20795-1:2013 (Dentistry – Base Polymers – Part 1: Denture Base Polymers)

NOTES:
¹Material properties can vary with part geometry, print orientation, print settings, and temperature.
²Data refers to post-cured properties obtained after exposing green parts to 108 watts each of Blue UV-A (315 – 400 nm), in a heated environment at 80 °C (140 °F) and 1hr, with six (6) 18W/78 lamps (Dulux blue UV-A).

SOLVENT COMPATIBILITY

Percent weight gain over 24 hours for a printed and post-cured 1 x 1 x 1 cm cube immersed in respective solvent

24 HR WEIGHT GAIN (%)									DENTAL MODEL	
Solvent	STANDARD (tested with Clear)	GREY PRO	RIGID	TOUGH	DURABLE	FLEXIBLE	HIGH TEMP	ELASTIC	GREEN	POST-CURED
Acetic Acid, 5 %	<1	<1	<1	2.8	1.3	1.3	<1	<1	G *	G
Acetone	sample cracked	10.8	3.3	sample cracked	sample cracked	33	<1	19.3	X	X *
Isopropyl Alcohol	<1	1.6	<1	2.1	5.1	9.8	<1	13.3	X	G
Bleach, ~5 % NaOCl	<1	<1	<1	1.7	<1	1.1	<1	<1	G	G
Butyl Acetate	<1	<1	<1	1.6	7.9	16	<1	18.2	X	G
Diesel	<1	<1	<1	<1	<1	not tested	<1	1.2	not tested	not tested
Diethyl glycol monomethyl ether	1.7	2.4	1.4	6.6	7.8	30	<1	12	X	G
Hydrolic Oil	<1	<1	<1	<1	<1	not tested	<1	<1	not tested	not tested
Skydrol 5	1	<1	1.1	1.2	1.3	not tested	<1	9.9	not tested	not tested
Hydrogen Peroxide (3 %)	<1	<1	<1	2.1	1	1.3	<1	<1	G	G
Isooctane	<1	<1	<1	<1	<1	<1	<1	<1	G	G
Mineral Oil, light	<1	<1	<1	<1	<1	not tested	<1	<1	not tested	not tested
Mineral Oil, heavy	<1	<1	<1	<1	<1	not tested	<1	<1	not tested	not tested
Salt Water (3.5 % NaCl)	<1	<1	<1	1.5	<1	<1	<1	<1	G	G
Sodium hydroxide (0.025 %, pH = 10)	<1	<1	<1	1.5	<1	1	<1	<1	G	G
Water	<1	<1	<1	1.6	<1	not tested	<1	<1	G	G
Xylene	<1	<1	<1	<1	6.5	29	<1	20.4	X	G
Strong Acid (HCl Conc)	distorted	8.2	5.3	distorted	distorted	not tested	1.2	14.2	not tested	not tested

*** G = Good resistance.** Parts exposed to this solvent should not experience a decrease in mechanical properties. (≤ 1% weight gain, ≤ 1% width increase over 24 hours for a 1 x 1 x 1 cm cube)

*** X = Unacceptable resistance.** Parts exposed to this solvent will experience a significant decrease in mechanical properties as well as visible degradation. (> 2% weight gain, > 2% width increase over 24 hours for a 1 x 1 x 1 cm cube)

To the best of our knowledge the information contained herein is accurate. However, Formlabs, Inc. makes no warranty, expressed or implied, regarding the accuracy of these results to be obtained from the use thereof.