



UV Resin

Photocentric UV Resin Overview



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Photocentric UV Resins		Colour	Ultimate Tensile Strength (MPa)	Elongation at Break (%)	Tensile Modulus (MPa)	Shore Hardness	Flexural Strength (MPa)	Flexural Modulus (MPa)	Impact Properties Notched Izod (J/m)	Impact Properties Notched Izod (kJ/m ²)	Tear Strength (kN/m)	Rebound Resilience (%)	Heat Deflection (°C) at 0.45 MPa	Biocompatibility Cytotoxicity ISO 10993-5	Skin Irritation & Sensitization ISO 10993-10	Comparable Thermoplastic	Water Absorption. Short term (24 hours) (%)	Viscosity (cPs)	Density (g/cm ³)	Compatible with Liquid Crystal Opus	TDS	
Rigid	UV LCD Dental Model	Beige/Grey/White	70	4	2800	90D	-*	-*	-*	3.9	N/A	N/A	-*	-*	-*	PA12	-*	250	1.10	No	View TDS	
	Opus Dental Beige <small>NEW</small>	Beige	56	2.7	2570	84D	84	2580	19.5	-*	N/A	N/A	-*	-*	-*	-*	0.13	150*	-*	Yes	To follow	
	Opus Dental Grey <small>NEW</small>	Grey	65	6	2610	80D	-*	1910	-*	8.1	N/A	N/A	63	-*	-*	-*	-*	510	1.16	Yes	To follow	
	UV High Tensile	Grey	65	6	1910	80D	-*	-*	-*	8.1	N/A	N/A	63	-*	-*	PA12	-*	510	1.16	Yes	View TDS	
	UV LCD Hard	Black	35	<1.5	2000	77D	-*	-*	-*	-*	N/A	N/A	-*	-*	-*	-*	-*	-*	230	1.19	No	View TDS
	UV DLP Hard	Black/Grey/White	35	4	2060	77D	-*	-*	-*	-*	N/A	N/A	60	-*	-*	PMMA	-*	230	1.19	Yes	View TDS	
	UV SuperClear <small>NEW</small>	Clear	45.6	16.5	2270	85D	62	1730	90.3	-*	N/A	N/A	71.3	-*	-*	-*	0.33	662	1,10	Yes	To follow	
	Rigid UVFR <small>NEW</small>	Black	75.5	2.15	4440	92D	-*	-*	21.9	-*	N/A	N/A	TBC	-*	-*	-*	0.43	580	-*	Yes	To follow	
	Rigid UV240 Plant-Based	Dark Amber	54	5.4	2080	84D	108	2656	12.2	2.2	N/A	N/A	78.4	-*	-*	-*	0.47	580	1.10	Yes	View TDS	
	UV Basic HD <small>NEW</small>	Black	57.8	6	2330	87D	86.6	2190	42.4	-*	N/A	N/A	110	-*	-*	-*	0.1	740	1.10	Yes	View TDS	
Durable	Durable UV80	Black	46	13	1940	84D	-*	-*	-*	8.1	N/A	N/A	65	-*	-*	ABS	-*	400	1.10	Yes	View TDS	
	Durable UV80TR	Translucent	77.2	16	2127	85-90D	89.6	2277	67.4	-*	N/A	N/A	76	-*	-*	ABS, PP	0.79	400	1.10	Yes	View TDS	
	UV DLP Firm	Grey	26	10	700	65D	-*	-*	-*	-*	N/A	N/A	52	-*	-*	-*	-*	560	1.18	No	View TDS	
Flexible	Flexible UV160TR	Translucent	14.5	160	66.5	86A	-*	-*	-*	-*	54	30	-*	-*	-*	TPU	1.74	470	1.10	Yes	View TDS	

*Contact Photocentric for more information For a full compatibility guide please refer to our website here.

