



Daylight
Resins

Photocentric Daylight Resin Overview

Photocentric

UK Titan House, 20 Titan Drive, Peterborough, PE1 5XN.
USA 855 N. 107th Ave., Suite A110, Avondale, Arizona 85323
www.photocentricgroup.com

Daylight 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)	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) (at 25°C)	Density (g/cm ³)	TDS	
Rigid	Draft	Turquoise	84	4.4	3200	90D	109	2840	22.6	N/A	N/A	75	Passed	-*	PA12	-*	970	1.16	View TDS
	Magna Hard	Black	52	10	2600	86D	65	1550	55	N/A	N/A	85	-*	-*	PMMA	-*	450	1.10	View TDS
	Dental Model White	White	63	4.3	3020	90D	95	2200	22.7	N/A	N/A	95	-*	-*	-*	-*	900	1.09	View TDS
	Dental Model Beige	Beige	56	2.7	2750	84D	84	2570	19.5	N/A	N/A	-*	Passed	-*	-*	0.13	150	1.10	View TDS
	HighTemp DL400	Amber	80	4	4000	95D	109	3300	15.6	N/A	N/A	230	Passed	-*	PA12	0.35	650	1.10	View TDS
	HighTemp DL401 ^{NEW}	Amber	76.9	4.8	2866	92D	123	3240	15.8	N/A	N/A	-*	-*	-*	-*	0.28	700	1.10	View TDS
	Rigid DL240 Plant-Based	Dark Amber	64.5	6.1	2440	88D	108	2656	12.2	N/A	N/A	78.4	-*	-*	-*	0.47	580	1.10	View TDS
	Titan Hard ^{NEW}	Black	54	7	2190	80D	70	1650	55	N/A	N/A	85	-*	-*	-*	0.5	400	1.10	To follow
Durable	Durable	Black	42	30	1570	60D	52	1460	91	N/A	N/A	45	Passed	-*	PLA	1.0	1200	1.09	View TDS
	Duramax	Black	50	19	1760	70D	28	1600	51	N/A	N/A	60	-*	-*	ABS	1.4	395	1.11	View TDS
	Durable DL110H	Black/ White/ Smoky Quartz	60	14	2100	85D	81	2080	110	N/A	N/A	80	-*	-*	ABS	1.06	480	1.14	View TDS
	Durable DL120B ^{NEW}	Black	48.1	59.5	2230	84D	62.7	1630	120	N/A	N/A	66.1	-*	-*	-*	0.27	1816	1.10	To follow
Flexible	Flexible DL220B	Black Translucent	14	211	66.4	80A	N/A	N/A	N/A	21	19.6	N/A	-*	-*	-*	0.32	1600	1.06	View TDS
	Elastic DL160 ^{NEW}	Amber	12.1	162	13.2	55A	N/A	N/A	N/A	20.3	10.4	N/A	-*	-*	-*	0.34	1100	1.04	To follow
BASf	EPD1006	Black	40	25	1500	79D	52	1460	35	N/A	N/A	44	Passed	-*	-*	0.83	1033	1.20	View TDS
	EPD1086	Black	42	26	1800	81D	67	1620	28	N/A	N/A	53	-*	-*	-*	0.23	450	1.18	View TDS
	EPD2006	Black	81	10.3	2370	80D	90	2210	11	N/A	N/A	81	Passed	Passed	-*	0.61	310	1.20	View TDS
	EPD3500	Amber	60	19	2750	79D	110	2400	25	N/A	N/A	70	-*	-*	-*	0.5	600	1.18	View TDS
	EPD4006	Black	45	45	1800	78D	70	1600	46	N/A	N/A	54	Passed	-*	-*	0.51	300	1.18	View TDS
	FLD5006	Black	19.1	144	52.6	73A	N/A	N/A	N/A	35.4	28	N/A	-*	-*	TPU	2.26	470	1.07	View TDS
Coming soon	Tough DL170 ^{NEW}	Black	32.5	217.8	2048	70D	38.2	1120	78.5	N/A	N/A	56.2	-*	-*	-*	1.53	1420	TBC	To follow
	Rigid DLFR ^{NEW}	Black	75.5	2.15	4440	92D	-*	-*	21.9	N/A	N/A	TBC	-*	-*	-*	0.43	580	TBC	To follow

*Contact Photocentric for more information

Revision 16
25/01/2024

