



Daylight
Resins

Photocentric Daylight Resin Overview

Photo**centric**

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	Rigid DLFR ^{NEW}	Black	66	3.5	2848	92D	115	3400	19.1	N/A	N/A	260	-*	-*	-*	0.6	580	1.21	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	230	-*	-*	-*	0.28	700	1.10	View TDS
	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
	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	Contact us	
Durable	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/Smoky Quartz	60	14	2100	85D	81	2080	110	N/A	N/A	80	-*	-*	ABS	1.06	480	1.14	View TDS
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/Black	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	50	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
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
	Durable DL90 Plant-Based ^{NEW}	Black	47.1	36.8	2290	82D	71.3	1790	86	N/A	N/A	68.3	-*	-*	-*	0.28	900	1.10	To follow

*Contact Photocentric for more information

