



Liquid Crystal  
**MAGNA**

## Resin Overview

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)	Density (g/cm <sup>3</sup> )	TDS
Rigid	High Tensile White	White	81	4.8	3060	92D	95	2200	22.7	-*	-*	95	-*	-*	PA12	-*	980	1.16	<a href="#">View TDS</a>
	Draft	Turquoise	84	4.4	3200	90D	109	2840	22.6	-*	-*	75	Passed	-*	PA12	-*	970	1.16	<a href="#">View TDS</a>
	Hard	Black	52	10	2600	86D	65	1550	55	-*	-*	85	-*	-*	PMMA	-*	450	1.10	<a href="#">View TDS</a>
	Concept	Green	61	3.7	2810	92D	87	2060	19.5	-*	-*	85	-*	-*	PA12	-*	690	1.10	<a href="#">View TDS</a>
	Dental Model White	White	63	4.3	3020	90D	95	2200	22.7	-*	-*	95	-*	-*	-*	-*	900	1.09	<a href="#">View TDS</a>
	Dental Model Beige	Beige	56	2.7	2750	84D	84	2570	19.5	-*	-*	-*	Passed	-*	-*	0.13%	150	1.10	<a href="#">View TDS</a>
	HighTemp DL400	Amber	80	4	4000	95D	109	3300	15.6	-*	-*	230	Passed	-*	PA12	0.35%	650	1.10	<a href="#">View TDS</a>
	Rigid DL240 Plant-Based	Dark Amber	64.5	6.1	2440	88D	108	2656	12.2	-*	-*	78.4	-*	-*	-*	0.47%	580	1.10	<a href="#">View TDS</a>
Durable	Durable	Black	42	30	1570	60D	52	1460	91	-*	-*	45	Passed	-*	PLA	1%	1200	1.09	<a href="#">View TDS</a>
	Duramax	Black	50	19	1760	70D	28	1600	51	-*	-*	60	-*	-*	ABS	1.4%	395	1.11	<a href="#">View TDS</a>
	Durable DL110H	Black/ White/ Smoky Quartz	60	14	2100	85D	81	2080	110	-*	-*	80	-*	-*	ABS	1.06%	480	1.14	<a href="#">View TDS</a>
Flexible	Flexible DL220B	Black Translucent	14	211	66.4	80A	-*	-*	-*	21	19.6	-*	-*	-*	-*	0.32%	1600	1.06	<a href="#">View TDS</a>
BASF	EPD1006	Black	40	25	1500	79D	52	1460	35	-*	-*	44	Passed	-*	-*	0.83%	1033	1.20	<a href="#">View TDS</a>
	EPD1086	Black	42	26	1800	81D	67	1620	28	-*	-*	53	-*	-*	-*	0.23%	450	1.18	<a href="#">View TDS</a>
	EPD2006	Black	81	10.3	2370	80D	90	2210	11	-*	-*	81	Passed	Passed	-*	0.61%	310	1.20	<a href="#">View TDS</a>
	EPD3500	Amber	60	19	2750	79D	110	2400	25	-*	-*	70	-*	-*	-*	0.5%	600	1.18	<a href="#">View TDS</a>
	EPD4006	Black	45	45	1800	78D	70	1600	46	-*	-*	54	Passed	-*	-*	0.51%	300	1.18	<a href="#">View TDS</a>

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