



DWSLAB®

Via della Meccanica, 21 - 36016 Thiene (VI) - Italy
Ph. +39 (0)445 810 810 - info@dwslab.com

dwslab.com



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XFAB®
Materials



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Materials

	Invicta 915	Invicta 917	Invicta 977	Precisa 779	Vitra 413	Vitra 429	Flexa 692	Flexa 693	Fusia 443	Therma 289	Therma 294	DS3000	
Properties and Applications	State	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	
	Colour	White	Grey	Light Yellow	Light Grey	Light Yellow	Clear	Black	Light Yellow	Dark Green	Light Green	Light Blue	Clear
	Material Quantity per Single Cartridge (g)	165	165	165	165	165	165	165	165	165	165	165	165
	Specific gravity	1,12	1,12	1,14	1,22	1,1	1,1	1,16	1,16	1,1	1,42	1,26	1,08
	Viscosity (cps at 25°C)	800	800	1000	1200	480	850	1800	1800	500	2000	1800	650
	Description	ABS-like	ABS-like	PP-like	Rigid opaque	Standard acrylic	Transparent	Rubber-like	Rubber-like	Wax-like	Nanoceramic	Nanoceramic	Bio-compatible
Applications	High impact resistant, functional prototypes, casings, snap-fit parts and assembly applications.	High impact resistant, functional prototypes, casings, snap-fit parts and assembly applications.	Flexible, for snap-fit prototypes of mechanical components, lab equipment, appliance parts and casings.	For prototypes, toys, high detailed models, marketing samples and patterns for silicone molds.	Prototypes. General applications.	For clear prototypes, liquid flow visualization, lighting, equipments.	Flexible. High elongation. For prototypes of handles, gaskets, ergonomic tests, functional parts, footwear, wearable devices.	Flexible. High elongation. For prototypes of functional parts, gaskets, wearable accessories and prototype molds.	For lost-wax casting applications.	For thermal resistance tests and high definition models for vulcanized rubber molds.	For orthodontic applications and arches for thermoformed aligners.	For surgical guides, class I*.	
Mechanical Properties	Tensile strength (MPa)	35	35	32	40	38	32	-	-	-	42	31	43
	Elongation at break (%)	8	8	10	5	6	8	50	60	6	2	4	5
	Tensile modulus (MPa)	1400	1400	1360	1620	1460	1380	-	-	-	4100	1700	1800
	Flexural strength (MPa)	60	60	58	78	68	60	-	-	25	80	67	79
	Flexural modulus (MPa)	1600	1600	1450	1870	1680	1500	-	-	510	3900	1900	1880
	Surface Hardness (ShoreD)	80	80	78	86	82	78	25	25	70	91	87	86
	HDT@ 0,46 MPa	58	58	-	-	-	-	-	-	-	80	56	59

*according to rule 5, annex IX of 93/42 CEE MDD



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Technical specifications subject to change without notice.

Materials are available on www.dwslab.com and sold in set of 2 cartridges.

