

Digital Materials Data Sheet



PRIMARY MATERIAL: TangoBlackPlus™ (FLX980) / TangoPlus™ (FLX930)

SECONDARY MATERIAL: Digital ABS Plus IVORY

Property	ASTM	Units	FLX95540-DM	FLX95550-DM	FLX95560-DM	FLX95570-DM	FLX95585-DM	FLX2195-DM
			FLX95040-DM	FLX95050-DM	FLX95060-DM	FLX95070-DM	FLX95085-DM	FLX2095-DM
Tensile strength	D-412	MPa	2.3-2.5	3.2-3.5	3.8-4.3	4.7-5.0	7.0-7.7	9.8-10.6
Elongation at break	D-412	%	145-155	125-135	95-110	80-90	50-65	40-50
Shore hardness (A)	D-2240	Scale A	35-45	45-55	55-65	65-75	80-90	90-100
Tensile tear resistance	D-624	Kg/cm	5.5-6.5	8.5-10.5	10.0-12.0	13-15	22-26	42-52

PRIMARY MATERIAL: Agilus30™ (FLX935) / Agilus30™Black (FLX985)

SECONDARY MATERIAL: Vero™

Property	ASTM	Units	FLX9740	FLX9750	FLX9760	FLX9770	FLX9785	FLX9795
			FLX9840	FLX9850	FLX9860	FLX9870	FLX9885	FLX9895
Tensile strength	D-412	MPa	3-4	3-4	3.5-4.5	4-6	6-10	10-14
Elongation at break	D-412	%	190-210	170-210	150-170	120-140	70-90	50-70
Shore hardness (A)	D-2240	Scale A	40-50	50-55	55-60	60-70	80-85	85-90
Tensile tear resistance	D-624	Kg/cm	6.0-8.0	7.0-9.0	7.0-10.0	12.0-14.0	22.0-26.0	26.0-30.0

PRIMARY MATERIAL: TangoBlackPlus™ (FLX980) / TangoPlus™ (FLX930)

SECONDARY MATERIAL: Rigur

Property	ASTM	Units	FLX4640-DM	FLX4650-DM	FLX4660-DM	FLX4670-DM	FLX4685-DM	FLX4695-DM
			FLX4840-DM	FLX4850-DM	FLX4860-DM	FLX4870-DM	FLX4885-DM	FLX4895-DM
Tensile strength	D-412	MPa	1.3-1.8	1.9-3.0	2.5-4.0	3.5-5.0	5.0-7.0	8.5-10.0
Elongation at break	D-412	%	110-130	95-110	75-85	65-80	55-65	35-45
Shore hardness (A)	D-2240	Scale A	35-40	45-50	57-63	68-72	80-85	92-95
Tensile tear resistance	D-624	Kg/cm	5.5-7.5	7.5-9.5	11-13	15.5-17.5	23-25	41-44

PRIMARY MATERIAL: Agilus30™ (FLX935) / Agilus30™Black (FLX985)

SECONDARY MATERIAL: Digital ABS Plus IVORY

Property	ASTM	Units	FLX95040	FLX95050	FLX95060	FLX95070	FLX95085	FLX95095
			FLX95540	FLX95550	FLX95560	FLX95570	FLX95585	FLX95595
Tensile strength	D-412	MPa	2.5-3	2.5-3	3.5-4	4.5-6	6-8	9-11
Elongation at break	D-412	%	180-200	160-180	120-140	90-100	70-80	40-60
Shore hardness (A)	D-2240	Scale A	40-50	45-55	50-60	65-70	80-85	85-90
Tensile tear resistance	D-624	Kg/cm	5.0-7.0	6.0-8.0	7.0-9.0	12.0-15.0	15-19	25-29

PRIMARY MATERIAL: Agilus30™ (FLX935) / Agilus30™Black (FLX985)

SECONDARY MATERIAL: Rigur (RGD450, advanced simulated polypropylene)

Property	ASTM	Units	FLX4640	FLX4650	FLX4660	FLX4670	FLX4685	FLX4695
			FLX4840	FLX4850	FLX4860	FLX4870	FLX4885	FLX4895
Tensile strength	D-412	MPa	2.5-3	2.5-3	3-4	3.5-5	5.5-8.5	9-13
Elongation at break	D-412	%	190-210	170-190	150-170	120-140	80-100	50-80
Shore hardness (A)	D-2240	Scale A	40-50	50-60	55-60	65-75	85-90	85-95
Tensile tear resistance	D-624	Kg/cm	4.0-6.0	5.0-9.0	6.0-10.0	8.0-12.0	16-20	25.0-29.0