



PolyJet Materials Data Sheet

RUBBER-LIKE MATERIALS

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TANGOBLACKPLUS FLX980 27Shore					
	ASTM	UNITS	METRIC	UNITS	IMPERIAL
Tensile strength	D-412	MPa	0.8-1.5	psi	115-220
Elongation at break	D-412	%	170-220	%	170-220
Compressive set	D-395	%	4-5	%	4-5
Shore Hardness (A)	D-2240	Scale A	26-28	Scale A	26-28
Tensile Tear resistance	D-624	Kg/cm	2-4	Lb/in	18-22
Polymerized density	ASTM D792	g/cm3	1.12-1.13		

PRIMARY MATERIAL: TANGOBLACKPLUS FLX980 SECONDARY MATERIAL: VEROWHITEPLUS RGD835

PROPERTY	ASTM	UNITS	40 Shore	50 Shore	60 Shore	70 Shore	85 Shore	95 Shore
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

