

Base materials

VERO WHITE

PROPERTY	ASTM	UNITS	VALUE
Tensile Strength	D638	Mpa	58
Elongation at break	D638	%	10-25%
Shore Hardness		Scale D	85
Flexural Strength	D790	Mpa	93
Flexural Modulus	D790	Mpa	2,700
Izod Notched Impact	D256	j/m	25
Heat Deflection Temperature	D648	@ 264 psi	48°C
Heat Deflection Temperature	D648	@ 66 psi	48°C
Modulus of Elasticity	D638	Mpa	2,500

AGILUS 30 (BLACK MATERIAL)

PROPERTY	ASTM	UNITS	VALUE
Tensile Strength	D412	Mpa	Mpa
Elongation at break	D412	%	220-270
Shore Hardness	D2240	Scale A	30-35
Compressive set	D395	%	6-7
Tensile Tear Resistance	D624	Kg/cm	5-7
Polymerised Density	D792	g/cm2	1.14-1.1

VERO CLEAR

PROPERTY	ASTM	UNITS	VALUE
Tensile Strength	D638	Mpa	50-65
Elongation at break	D638	%	10-25%
shore Hardness		Scale D	83-86
Flexural Strength	D790-03	Mpa	75-110
Flexural Modulus	D790-04	Mpa	2200-3200
Izod Notched Impact	D256	j/m	20-30
Heat Deflection Temperature	D648	@ 264 psi	45-50°C
Heat Deflection Temperature	D648	@ 66 psi	45-50°C
Modulus of Elasticity	D638	Mpa	2000-3000

Polyjet materials

Digital Materials - Rubber Like

PRIMARY MATERIAL: AGILUS 30 (black material)

SECONDARY MATERIAL: VERO WHITE

	ASTM	UNITS	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	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: AGILUS 30 (black material)

SECONDARY MATERIAL: VERO CLEAR

	ASTM	UNITS	FLX9040	FLX9050	FLX9060	FLX9070	FLX9085	FLX9095
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	120-140	120-140	80-100	50-80
Shore Hardness	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

Digital Materials - Engineering Plastics

PRIMARY MATERIAL: VERO WHITE

SECONDARY MATERIAL: AGILUS30 (black material)

Name	Properties
RGD8505	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8510	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8515	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8520	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8525	Balanced Rigidity, impact 25 J/m, Elongation at Break 20%-30%
RGD8530	PP-like, impact 30 J/m, Elongation at Break 25%-35%

PRIMARY MATERIAL: VERO CLEAR

SECONDARY MATERIAL: AGILUS30 (black material)

Name	Properties
RGD8705	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8710	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8715	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8720	High Rigidity, impact 25 J/m, Elongation at Break 15%-25%
RGD8725	Balanced Rigidity, impact 25 J/m, Elongation at Break 20%-30%
RGD8730	PP-Like, impact 30 J/m, Elongation at Break 25%-35%