



Simulating Standard Plastics

Transparent Materials

Primary material: FullCure720 **Secondary material:** VeroBlack

Property	ASTM	Units	DM_Dots_7513/ DM_Grid_7523
Tensile strength	D-638-03	MPa	50-65
Elongation at break	D-638-05	%	15-25
Modulus of elasticity	D-638-04	MPa	2000-3000
Flexural Strength	D-790-03	MPa	80-110
Flexural Modulus	D-790-04	MPa	2700-3300
HDT, °C @ 0.45MPa	D-648-06	°C	45-50
Izod Notched Impact	D-256-06	J/m	20-30

Primary material: FullCure720 **Secondary material:** TangoBlack

Property	ASTM	Units	DM_7210	DM_7220	DM_7230
Tensile strength	D-638-03	MPa	50-55	50-55	45-50
Elongation at break	D-638-05	%	15-25	15-25	15-25
Modulus of elasticity	D-638-04	MPa	2200-2500	2000-2300	1700-2000
Flexural Strength	D-790-03	MPa	80-90	75-85	70-80
Flexural Modulus	D-790-04	MPa	2300-2700	2200-2600	2100-2400
HDT, °C @ 0.45MPa	D-648-06	°C	45-50	45-50	45-50

Rigid Opaque Materials

Primary material: VeroWhitePlus **Secondary material:** Veroblack

Property	ASTM	Units	DM_8310, DM_8320, DM_8330
Tensile strength	D-638-03	MPa	50-65
Elongation at break	D-638-05	%	10-25
Modulus of elasticity	D-638-04	MPa	2000-3000
Flexural Strength	D-790-03	MPa	75-110
Flexural Modulus	D-790-04	MPa	2200-3200
HDT, °C @ 0.45MPa	D-648-06	°C	45-50
Izod Notched Impact	D-256-06	J/m	20-30

Primary material: VeroBlue **Secondary material:** VeroBlack

Property	ASTM	Units	DM_8210
Tensile strength	D-638-03	MPa	50-60
Elongation at break	D-638-05	%	15-25
Modulus of elasticity	D-638-04	MPa	2000-3000
Flexural Strength	D-790-03	MPa	60-70
Flexural Modulus	D-790-04	MPa	1900-2500
HDT, °C @ 0.45MPa	D-648-06	°C	45-50
Izod Notched Impact	D-256-06	J/m	20-30

Primary material: VeroWhitePlus **Secondary material:** TangoBlackPlus

Property	ASTM	Units	DM_8505Gray20 DM_8510_Gray25 DM_8515_Gray35 DM_8520_Gray40	DM_8525_Gray50
HDT at 0.45 MPa	D-648-06	°C	40-45	40-43
Tensile strength	D-638-03	MPa	40-60	35-45
Elongation at break	D-638-05	%	15-25	20-30
Modulus of elasticity	D-638-04	MPa	1700-2300	1400-2000
Izod Notched Impact	D-256-06	J/m	22-35	25-35
Flexural Strength	D-790-03	MPa	55-75	45-60
Flexural Modulus	D-790-04	MPa	1500-2500	1400-1800

Primary material: VeroWhitePlus **Secondary material:** TangoPlus

Property	ASTM	Units	DM_8425
HDT at 0.45 MPa	D-648-06	°C	40-43
Tensile strength	D-638-03	MPa	35-45
Elongation at break	D-638-05	%	20-30
Modulus of elasticity	D-638-04	MPa	1400-2000
Izod Notched Impact	D-256-06	J/m	25-35
Flexural Strength	D-790-03	MPa	45-60
Flexural Modulus	D-790-04	MPa	1400-1800

Polypropylene-like Materials

Primary material: DurusWhite Secondary material: VeroWhitePlus, VeroBule, VeroBlack or FullCure720

Property	ASTM	Units	DM_4310	DM_4410	DM_4510	DM_4710
Tensile strength	D-638-03	MPa	30-40	30-40	30-40	30-40
Elongation at break	D-638-05	%	40-50	40-50	40-50	40-50
Modulus of elasticity	D-638-04	MPa	1200-1600	1200-1600	1200-1600	1200-1600
Flexural Strength	D-790-03	MPa	40-50	40-50	40-50	40-50
Flexural Modulus	D-790-04	MPa	1300-1700	1300-1700	1300-1700	1300-1700
HDT, °C @ 0.45MPa	D-648-06	°C	40-45	40-45	40-45	40-45
Izod Notched Impact	D-256-06	J/m	35-45	35-45	35-45	35-45

Primary material: VeroWhitePlus Secondary material: TangoBlackPlus

Property	ASTM	Units	DM_8530_Gray60
HDT at 0.45 MPa	D-648-06	°C	38-41
Tensile strength	D-638-03	MPa	29-38
Elongation at break	D-638-05	%	25-35
Modulus of elasticity	D-638-04	MPa	1100-1700
Izod Notched Impact	D-256-06	J/m	21-40
Flexural Strength	D-790-03	MPa	35-45
Flexural Modulus	D-790-04	MPa	1200-1500

Primary material : VeroWhitePlus Secondary material : TangoPlus

Property	ASTM	Units	DM_8430
HDT at 0.45 MPa	D-648-06	°C	38-41
Tensile strength	D-638-03	MPa	29-38
Elongation at break	D-638-05	%	25-35
Modulus of elasticity	D-638-04	MPa	1100-1700
Izod Notched Impact	D-256-06	J/m	21-40
Flexural Strength	D-790-03	MPa	35-45
Flexural Modulus	D-790-04	MPa	1200-1500

Rubber-like Materials

Primary material: TangoBlackPlus/TangoPlus Secondary material: VeroWhitePlus

Property	ASTM	Units	DM_9840/9740	DM_9850/9750	DM_9860/9760	DM_9870/9770	DM_9885/9785	DM_9895/9795
Tensile strength	D-412	MPa	0.5-1.5	0.5-1.5	2-4	2-4	4-8.	15-25
Elongation at break	D-412	%	150-170	130-150	80-100	50-70	50-60	25-35
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	4-6	5-7	7-9	12-14	25-27	45-47

Primary material : TangoBlack Secondary material : VeroWhitePlus, VeroBlue, VeroBlack, FullCure720

Property	ASTM	Units	DM_9110/9410 9210/9310	DM_9120/9420 9220/9320	DM_9130/9430 9230/9330
Tensile strength	D-412	MPa	2-4.	3-5	7-11
Elongation at break	D-412	%	45-55	35-45	35-45
Shore Hardness (A)	D-2240	Scale A	75-85	80-90	90-100
Tensile Tear resistance	D-624	Kg/cm	7-9	13-17	45-50

Primary material: TangoGray Secondary material: TangoBlack

Property	ASTM	Units	DM_9510
Tensile strength	D-412	MPa	1-3
Elongation at break	D-412	%	35-45
Shore Hardness (A)	D-2240	Scale A	60-70
Tensile Tear resistance	D-624	Kg/cm	5-7

Primary material : TangoGray Secondary material : VeroBlack

Property	ASTM	Units	DM_9610
Tensile strength	D-412	MPa	9-13
Elongation at break	D-412	%	45-55
Shore Hardness (A)	D-2240	Scale A	75-85
Tensile Tear resistance	D-624	Kg/cm	45-50



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