



# Connex500™ Digital Material™ Data Sheets

## Cartridges: VeroWhite, TangoBlack

Primary material: VeroWhite Secondary material: TangoBlack

RIGID

Property	ASTM	Units	DM 8110	DM 8120	DM 8130
Tensile Strength	D-638-03	MPa	52	42	30
Modulus of Elasticity	D-638-03	MPa	2690	2400	1800
Elongation at Break	D-638-03	%	17	34	52
Flexural strength	D-790-03	MPa	77	65	42
Flexural modulus	D-790-03	MPa	2580	2190	1620
HDT at 0.45 MPa	D-648-06	°C	42	41	39
Notched Izod Impact	D-256	J/m	26	26	35

Primary material: TangoBlack Secondary material: VeroWhite

FLEXIBLE

Property	ASTM	Units	DM 9110	DM 9120	DM 9130
Tensile Strength	D-412	MPa	3	4	9
Elongation to break	D-412	%	50	40	39
Tensile tear resistance	D-624 De C	N/mm	8	15	47
Hardness shore A	D-2240		80	85	95

## Cartridges: FullCure720, TangoBlack

Primary material: FullCure720 Secondary material: TangoBlack

RIGID

Property	ASTM	Units	DM7210	DM 7220	DM 7230
Tensile Strength	D-638-03	MPa	56	54	47
Modulus of Elasticity	D-638-04	MPa	2300	2150	1750
Elongation at Break	D-638-05	%	15-25	15-25	15-25
Flexural strength	D-790-03	MPa	88	84	72
Flexural modulus	D-790-04	MPa	2500	2450	2350
HDT at 0.45 MPa	D-648-06	°C	50	49	46
Notched Izod Impact	D-256-06	J/m	24	24	24

Primary material: TangoBlack Secondary material: FullCure720

FLEXIBLE

Property	ASTM	Units	DM 9410	DM 9420	DM 9430
Tensile Strength	D-412	MPa	3	4	9
Elongation to break	D-412	%	50	40	39
Tensile tear resistance	D-624 De C	N/mm	8	15	47
Hardness shore A	D-2240		80	85	95

## Cartridges: VeroWhite, VeroBlack

Primary material: VeroWhite Secondary material: VeroBlack

RIGID

Property	ASTM	Units	DM8310	DM 8320	DM 8330
Tensile Strength	D-638-03	MPa	48	48	48
Modulus of Elasticity	D-638-03	MPa	2750	2750	2750
Elongation at Break	D-638-03	%	25	25	25
Flexural strength	D-790-03	MPa	78	78	78
Flexural modulus	D-790-03	MPa	2570	2570	2570
HDT at 0.45 MPa	D-648-06	°C	41	41	41
Notched Izod Impact	D-256	J/m	26	26	26

**Cartridges: VeroBlue, VeroBlack****Primary material:** VeroBlue **Secondary material:** VeroBlack

RIGID

Property	ASTM	Units	DM 8110
Tensile Strength	D-638-03	MPa	48
Modulus of Elasticity	D-638-03	MPa	2750
Elongation at Break	D-638-03	%	25
Flexural strength	D-790-03	MPa	78
Flexural modulus	D-790-03	MPa	2570
HDT at 0.45 MPa	D-648-06	°C	41
Notched Izod Impact	D-256	J/m	26

**Cartridges: DurusWhite, VeroBlack****Primary material:** DurusWhite**Secondary material:** VeroWhite VeroBlue VeroBlack FullCure720

RIGID

Property	ASTM	Units	DM 4310	DM 4410	DM4510	DM4710
Tensile Strength	D-638-03	MPa	33	33	33	33
Modulus of Elasticity	D-638-04	MPa	1400	1400	1400	1400
Elongation at Break	D-638-05	%	45	45	45	45
Flexural strength	D-790-03	MPa	43	43	43	43
Flexural modulus	D-790-04	MPa	1500	1500	1500	1500
HDT at 0.45 MPa	D-648-06	°C	43	43	43	43
Notched Izod Impact	D-256-06	J/m	42	42	42	42

**Cartridges: FullCure720, VeroBlack****Primary material:** FullCure720 **Secondary material:** VeroBlack

RIGID

Property	ASTM	Units	DM Dots 7513	DM Grid 7523
Tensile Strength	D-638-03	MPa	60.3	60.3
Modulus of Elasticity		MPa	2870	2870
Elongation at Break	D-638-05	%	20	20
Flexural strength	D-790-03	MPa	75.8	75.8
Flexural modulus	D-790-04	MPa	1718	1718
HDT at 0.45 MPa	D-648-06	°C	48.4	48.4
Notched Izod Impact	D-256	J/m	23.6	23.6

**Cartridges: TangoBlack, VeroBlue****Primary material:** TangoBlack **Secondary material:** VeroBlue

FLEXIBLE

Property	ASTM	Units	DM 9210	DM 9220	DM 9230
Tensile Strength	D-412	MPa	3	4	9
Elongation to break	D-412	%	50	40	39
Tensile tear resistance	D-624 De C	N/mm	8	15	47
Hardness shore A	D-2240		80	85	95

**Cartridges: TangoGray, TangoBlack****Primary material:** TangoGray **Secondary material:** TangoBlack

FLEXIBLE

Property	ASTM	Units	DM 9510
Tensile Strength	D-412	MPa	2
Elongation to break	D-412	%	37
Tensile tear resistance	D-624 De C	N/mm	6
Hardness shore A	D-2240		65

**Cartridges: TangoGray, VeroBlack****Primary material:** TangoGray **Secondary material:** VeroBlack

FLEXIBLE

Property	ASTM	Units	DM 9610
Tensile Strength	D-412	MPa	11
Elongation to break	D-412	%	49
Tensile tear resistance	D-624 De C	N/mm	47
Hardness shore A	D-2240		80

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