

## Materialdatenblätter

# Polyjet

Parameter		Vero	Tango	Digital	Durus		
English	Deutsch	Unit	Clear	Black	ABS	PP-ähnlich	AR-M2
English	Deutsch	Einheit					
<b>Build Space</b>	<b>Bauraum</b>	<b>mm</b>	<b>342x342x200</b>	<b>342x342x200</b>	<b>342x342x200</b>	<b>342x342x200</b>	<b>297x210x200</b>
Tensile strength	Zugfestigkeit	MPa	50-65	0.8-1.5	55-60	20-30	40-55
Elongation at break	Bruchdehnung	%	10-25	170-220	25-40	40-50	5-35
Modulus of elasticity	Elastizitätsmodul	MPa	2000-3000	k.A.	2600-3000	1000-1200	1900-2400
Flexural Strength	Biegefestigkeit	MPa	75-110	k.A.	65-75	30-40	60-80
Flexural Modulus	Biegemodul	MPa	2200-3200	k.A.	1700-2200	1200-1600	k.A.
HDT, °C @ 0.45MPa	Wärmeformbeständigkeit B   ISO 75 HDT/B (0,45 MPa)		45-50		58-68		
	Vicat softening temperature A/50	°C	ISO 75	k.A.	ISO 75	37-42	52-54
HDT, °C @ 1.82MPa	Wärmeformbeständigkeit A   ISO 75 HDT/A (1,8 MPa)		45-50		51-55		
	Vicat softening temperature B/50	°C	ISO 75	k.A.	ISO 75	32-34	45-50
Izod Notched Impact	Izod Schlagzähigkeit	J/m	20-30	k.A.	65-80	40-50	k.A.
Water Absorption	Wasserabsorption	%	1.1-1.5	k.A.	k.A.	1.5-1.9	0.35
Tg (Glass Transition Temperature)	Glasübergangstemperatur TG	°C	52-54	k.A.	47-53	35-37	77-80
Shore Hardness (D)	Shore Härte	Scale D	83-86	k.A.	85-87	74-78	85
Shore Hardness (A)	Shore Härte	Scale A	k.A.	26-28	k.A.	k.A.	k.A.
Rockwell Hardness	Rockwell Härte	Scale M	73-76	k.A.	67-69	k.A.	119-122
Polymerized density	Dichte	g/cm3	1.17-1.18	1.12-1.13	1.17-1.18	1.15-1.17	1.1
Ash content	Ascheanteil	%	0.01-0.02	k.A.	k.A.	0.10-0.12	k.A.

