

Overview XILOYTM 3D grades Additive manufacturing ABS grades for technical use

Typical data	SI units	XILOY™ 3D 100	XILOY™ 3D 105
Glass content	%	0	0
Impact properties			
Charpy notched impact strength (23°C)	kJ/m²	NB	7
Charpy notched impact strength (-40°C)	kJ/m²	20	5
Charpy unnotched impact strength (23°C)	kJ/m²	NB	20
Charpy unnotched impact strength (-40°C)	kJ/m²	NB	
Tensile properties			
Tensile stress at break	N/mm ²	23	28
Elongation at break	%	50	11
E-modulus	N/mm ²	1320	1800
Flexural properties			
Flexural strength	N/mm ²	50	55
Flexural modulus	N/mm ²	1310	1700
Thermal properties			
Heat deflection temperature at 1.80 MPa	°C	68	72
Heat deflection temperature at 1.80 MPa (Annealed)	°C	84	
Vicat softening temperature (50N)	°C	79	105
Specific properties			
Density	g/cm ³	1.07	1.10
MFI at 240°C and 100N	dg/min	9.5	4.5
Spiral flow length	cm	32	28
Surface resistivity	Ohm.cm		10E+8



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