

DATA SHEET PRINT WITH SMILE

3D Filaments – PRINT WS FLEX 20/40D



MATERIAL CHARACTERISTICS	
DENSITY	1,15G/CM ³
SHORE	20 OR 40 D
SHRINKAGE	~ 0 %
ELONGATION AT BREAK	806,8 %
TEAR STRENGTH	224,2 N
RESISTANCE (V-NOTCH)	0,82 J/CM ²
YOUNG MODULUS	63,91 MPa
TENSILE STRENGTH	22,83 MPa
PRINT TEMPERATURE	220 – 245 °C
WARMING PAD	50 – 60 °C
NOSSLE	0,2 – 0,4 MM

Tests were performed on standardized samples in accordance with ISO 148 and ISO 528 standards on a Zortrax M200 printer with models filled up to 80%.

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Print WS Flex is an elastomeric filament that is characterized by high simplicity in 3D printing, providing many possibilities for novice users. Print WS Flex is a composite material that combines the properties of rubber and other thermoplastics such as PLA or ABS.

Our filament guarantees the flexibility of the printed 3D part. Printed parts can achieve Shore 20D or 40D hardness depending on the filament type. Excellent printing performance over the entire temperature range, ie 220-240 ° C, makes 3D printing with our material a pure pleasure. Furthermore we guarantee chemical resistance and UV resistance.

