

# MATERIAL DATA SHEET

## Swift PET-G



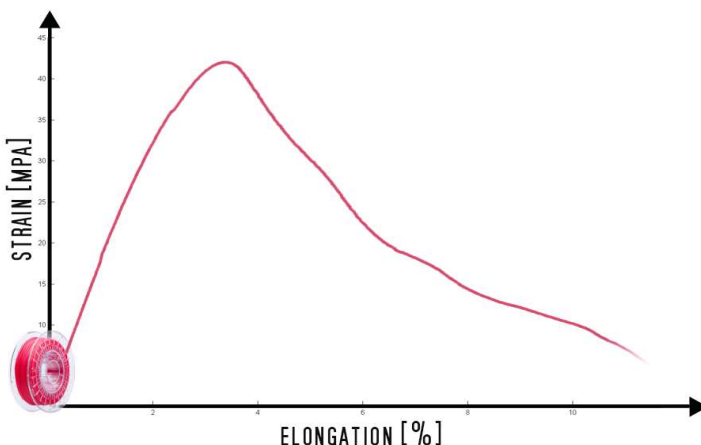
DENSITY	1.15 g/cm <sup>3</sup>	
HARDNESS IN SHORE SCALE	74D	
SHRINKAGE	~0.1 [%]	
ELONGATION AT BREAK	21.95 [%]	
STRENGTH AT BREAK	360.99[N]	
RESILIENCE FOR V-NOTCH	0.12 J/cm <sup>2</sup>	
YOUNG MODULUS	2304.22 [MPa]	
TENSIL AT BREAK	40.95 [MPa]	
PRINT TEMPERATURE	220-260 °C	
HEATED BED	30-50 °C	
NOZZLE	0.2 - 0.4 [mm]	
COOLING	20-60 [%]	
FLOW	100 [%]	

The tests were carried out on standardized samples, in accordance with ISO 148 and ISO 528. The prints were made on a Zortrax M200 printer with models infill up to 80%.

Modified by polyglycol (ethylene terephthalate) – is an amorphous thermoplastic copolyester characterized by exquisite resistance and optical properties. Its significant advantage is that it may be used in contact with food and cosmetics.

Filament SWIFT PET + G is dedicated mostly to people who professionally deal with FDM technology print-outs. It is more elastic and softer than PLA or ABS.

It has a very low shrinkage factor and therefore it is suitable for large-sized print-outs. When printing parameters are appropriately selected, printing layers bond perfectly and this guarantees the best printing quality and leaves you satisfied. Swift PET-G has high chemical resistance to acids, alkalis and water. Printing process is free of unpleasant odours so printing with PET-G is very nice! Furthermore, an adequate temperature profile allows for the so-called tossing-free print, which is a considerable advantage as for PET-G.



### AVAILABLE COLOURS:

