



TECH FLEX 506 MAT

Material	TPU thermoplastic elastomer
Color	Natural, Black
Properties	High flexibility even at low temperatures
Diameter	1.75mm / 2.85mm
Diameter tolerance	+/- 0.05mm
Printing temperature	205–225°C
Table temperature	0–40°C
Net weight	0.5kg / 1 kg
Gross weight	0.85kg / 1.4kg
Spool dimensions	200x52x43mm / 200x52x80mm
Packing	Vacuum packaging, carton box, moisture absorber

**Properties of the FLEX 505 MAT material**

PROPERTIES	TEST METHOD	VALUE	UNIT
DESNSITY	DIN EN ISO 1183-1-A	1.11	g/CM ³
TENSILE STRENGTH	DIN 53504-S2	45	MPA
ELONGATION AT BREAK	DIN 53504-S2	600	%
TEAR STRENGTH	DIN ISO 34-1Bb	70	N/mm
HARDNESS	DIN ISO 7619-1 (3s)	88	SHORE A
HARDNESS	DIN ISO 7619-1 (3s)	39	SHORE D
NOTCHED IMPACT STRENGTH (CHARPY) AT +23°C	DIN EN ISO 179-1	kB	KJ/M ²
NOTCHED IMPACT STRENGTH (CHARPY) AT -30°C	DIN EN ISO 179-1	kB	KJ/M ²
TENSILE STRENGTH AFTER STORAGE IN WATER AT 80°C FOR 42 DAYS	DIN 53504-S2	30	MPA