


Material properties

V04.00 | July 15, 2020

	RESIN	ULTIMATE TENSILE STRENGTH	ELONGATION AT BREAK	TENSILE MODULUS	SHORE HARDNESS	IMPACT STRENGTH *	HEAT DEFLECTION TEMP**	COMPARABLE THERMOPLASTIC	BIOCOMPATIBILITY: CYTOTOXICITY
2 PART	CE 221	85 MPa	3%	3900 MPa	92D	15 J/m	230° C	Glass filled nylon	✓
	EPU 40	9 MPa	300%	N/A	68A	N/A	N/A	TPU	✓
	EPU 41	15 MPa	250%	N/A	73A	N/A	N/A	TPU	✓
	EPX 82	80 MPa	5%	2800 MPa	89D	45 J/m	130° C	20% glass-filled PBT	✓
	FPU 50	25 MPa	200%	700 MPa	71D	40 J/m	70° C	Polypropylene	✓
	MPU 100	35 MPa	15%	1300 MPa	81D	30 J/m	50° C	-	✓
	RPU 70	40 MPa	100%	1700 MPa	80D	15 J/m	60° C	ABS or PC ABS	✓
	RPU 130	35 MPa	>50%	920 MPa	77D	76 J/m	119° C	Nylon 6	✓
	SIL 30	3.5 MPa	350%	N/A	35A	N/A	N/A	TPE	✓
1 PART	DPR 10	45 MPa	4%	1800 MPa	N/A	20 J/m	61° C	-	✓
	PR 25***	29 MPa	>15%	920 MPa	N/A	18 J/m	49° C	-	✓
	UMA 90	30 MPa	30%	1400 MPa	86D	30 J/m	45° C	-	✓

 Indicates the highest value in its category.

* NOTCHED IZOD, ASTM D256
 ** 0.455 MPA, ASTM D648
 *** UV-LED Cure, 30s/side