

Material Properties

	NAME	ULTIMATE TENSILE STRENGTH	ELONGATION AT BREAK	TENSILE MODULUS	SHORE HARDNESS	IMPACT STRENGTH ¹	HEAT DEFLECTION TEMP ²	BIOCOMPATIBILITY: CYTOTOXICITY	FULL MATERIAL DATA ³
2 PART RESINS	CE221	85 MPa	3%	3900 MPa	92D	15 J/m	230° C	✓	TDS
	EPU40	9 MPa	300%	N/A	68A	N/A	N/A	✓	TDS
	EPU 41	15 MPa	250%	N/A	73A	N/A	N/A	✓ ⁴	TDS
	EPU 43	17 MPa	380%	10 MPa	76A	N/A	N/A	-	TDS
	EPU 44	24 MPa	275%	16 MPa	78A	N/A	N/A	-	TDS
	EPU 45	24 MPa	290%	17 MPa	77A	N/A	N/A	-	TDS
	EPU 46/Soft/Extra Soft	26/21/15 MPa	330/300/250%	15/11/4.5 MPa	78/71/56A	N/A	N/A	✓	TDS
	EPX 82	80 MPa	5%	2800 MPa	89D	45 J/m	130° C	✓	TDS
	EPX 86FR	90 MPa	5%	3300 MPa	88D	30 J/m	135° C	-	TDS
	EPX 150	76 MPa	5%	2700 MPa	87D	36 J/m	155° C ⁵	✓	TDS
	FPU50	25 MPa	200%	700 MPa	71D	40 J/m	70° C	✓	TDS
	MPU 100	35 MPa	25%	1200 MPa	81D	30 J/m	50° C	✓	TDS
	RPU70	40 MPa	100%	1700 MPa	80D	15 J/m	60° C	✓	TDS
	RPU 130	35 MPa	100%	900 MPa	77D	75 J/m	120° C	✓	TDS
SIL 30	3.5 MPa	350%	1 MPa	35A	N/A	N/A	✓	TDS	
1 PART RESINS	DPR10	45 MPa	4%	1800 MPa	N/A	20 J/m	60° C	✓	TDS
	Loctite 3843	51 MPa	43%	1800 MPa	75D	53 J/m	63° C	-	Loctite TDS
	Loctite IND147	67 MPa	2.4%	3190 MPa	94D	14.6 J/m	291° C	-	Loctite TDS
	Loctite IND405	42 MPa	120%	1500 MPa	78D	50 J/m	53° C	-	Loctite TDS
	UMA 90	30 MPa	30%	1400 MPa	86D	30 J/m	45° C	✓	TDS

Indicates the highest value in its category.

¹ NOTCHED IZOD, ASTM D256

² 0.455 MPa, ASTM D648

³ Refer to the TDSs for further information

⁴ Testing was done on EPU 41 Green

⁵ Samples were kept in dry conditions and tested within 24 hours.