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Reinforcement	Matrix	Tensile Strength (MPa)	Tensile Modulus (GPa)	Flexural Strength (MPa)	Flexural Modulus (GPa)	Impact strength	Ref.
Jute	LDPE	17.5	1.1	20.7	0.6	-	[47]
Jute	HDPE	27.24	-	34.83	-	51.28 J/m	[44]
Jute	Polycarbonate (PC)	63.5	-	87	4.1	-	[45]
Jute fibre	Polypropylene (PP)	23.56-29.49	0.79-2.4	42.63-48.31	1.28-3.1	22.34-39.87 J/m	[17]
Jute fabric	PP	52	1.03	63	3.27	19.1 kJ/m ²	[48]
Jute	PP	28.4	-	35.1	-	65 J/m	[54]
Short jute	PP	32	0.85	38	1.685	18 kJ/m ²	[58]
Non-woven jute fabric	poly(L-lactic acid) (PLLA)	55	0.867	67	2.83	12.98 kJ/m ²	[49]
Untreated Woven jute fabric(X-direction)	PLLA	81	1.12	82	4.3	16.4 kJ/m ²	[49]
Untreated Woven jute fabric(Y-direction)	PLLA	71	0.78	81	3.62	14.3 kJ/m ²	[49]
Jute strand	Starch	22.2	2.47	36.4	-	10.5 kJ/m ²	[46]
Non-woven jute	Soy	37.1	1.040	38.4	1.120	-	[50]
Woven jute	Soy	35.6	0.972	33.5	1.026	-	[50]
Jute	Biopoly	81.42	1.92	-	-	-	[51]
Jute	Maleated castor oil (MACO)	-	-	14	1.7	-	[52]
Jute	Unsaturated polyester resin	-	-	34	1.8	-	[52]
Jute	Soyprotein	64	6.1	24.1	4.074	-	[53]

composite. The composites were prepared by hot compression process with different wt. % (5%, 10% and 15%) of jute fibre and different fibre length (1, 2 and 4 mm). It was observed that tensile strength of composite increases with increase in fibre size and weight percentage

of fibres but after a certain fibre size and weight percentage of fibres, the tensile strength is found decreases. The maximum value of tensile strength was obtained for composite with 2 mm fibre length and 10 wt. % of jute fibre content. The decrease in tensile strength after 10 wt.

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