



Resin Data

Resin System	Tg for laminate (F/C)	Recommend-ed temp Range in °F*	Moisture Resistance	Tensile Str at amb (ksi)	Tensile Mod at amb (Msi)	Tensile Str at temp (ksi @ °F)	Tensile Mod at temp (Msi @ °F)	Flex Str at amb (ksi)	Flex Mod at amb (Msi)	Flex Str at temp (ksi @ °F)	Flex Mod at temp (Msi @ °F)	Compression Str at amb (ksi)	Compression Mod at amb (Msi)	Compression Str at temp (ksi @ °F)	Compression Mod at temp (Msi @ °F)
GP320	320/160	250-300	High	54.9	3.06			70.7	2.92	43.1 @ 325	2.49 @ 325				
GP331	331/160	250-300	High	57.0	3.54	44.8 @ 300	3.87 @ 300	72.0	3.08	43.0 @ 300	2.48 @ 300	64.4	3.52	42.7 @ 300	3.16 @ 300
GP360	360/185	250-300	High	51.5	2.73	45.05 @ 300	2.26 @ 300	72.9	2.87	44.6 @ 300	2.51 @ 300	53.6	3.13	30.9 @ 300	2.75 @ 300
GP375	375/196	250-325	Extremely High	44.0	3.04	33.6 @ 300	2.8 @ 300	71.0	2.84	53.4 @ 300	2.64 @ 300	58.6	3.66	33 @ 300	3.11 @ 300
GP404	404/207	275-325	Medium	45.5	3.60	44.5 @ 320	3.52 @ 320	79.6	3.10	61.2 @ 320	3.23 @ 320	43.1	3.80	33.9 @ 320	2.94 @ 320
GP454	454/235	350-400	High	71.2	4.00	50.3 @ 390	2.74 @ 390	89.5	3.40	51.8 @ 390	2.47 @ 390	65.9	3.58	42.4 @ 390	3.51 @ 390

More complete data is available. Please contact the Sales department, 713-644-1449 or sales@genplastics.com for detailed information.

(*) This is a recommendation, but may change dependent on application.

General Plastics & Composites L.P. utilizes many different resin systems and cloth/roving combinations to meet each part or assembly's mechanical loading and environmental requirements. Material strength depends on manufacturing method, and reinforcement cloth weave / roving size and orientation.

All resins are laminates



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