

Thermosets

Name	Su kpsi	E Mpsi	Hardness Rockwell	Elongation %	Dimensional Stability	Heat Resistance	Chemical Resistance	Processing
Alkyd	3-9	0.05-0.30	99M*	...	Excellent	Good	Fair	M
Allylic	4-10	...	105-120M	...	Excellent	Excellent	Excellent	CM
Amino group	5-8	0.13-0.24	110-120M	0.30-0.90	Good	Excellent*	Excellent*	LR
Epoxy	5-20	0.03-0.30*	80-120M	1-10	Excellent	Excellent	Excellent	CMR
Phenolics	5-9	0.10-0.25	70-95E	...	Excellent	Excellent	Good	EMR
Silicones	5-6	...	80-90M	Excellent	Excellent	CLMR

* With Exceptions

C Coatings L Laminates R Resins E Extrusions M Moldings S Sheet F Foams P Press and sinter methods T Tubing

Source: This data was obtained from the *Machine Design Materials Reference Issue*, published by Penton/IPC Cleveland.