

With different options for adhering materials together, the following chart outlines the elements to consider when determining which choice is right for you.



MOLDING COMPARISON CHART

	OVERMOLDING	SHRINK TUBING	CABLE POTTING/CASTING
PROCESS DESCRIPTION:	One material (usually TPE) is molded onto a second material (usually a rigid plastic).	Shrink Tube is heated onto an area that needs to be sealed from the elements. Typically a shrink tube will be used that contains adhesive.	Epoxy is applied to the back end of a connector to protect it from the elements. This is not typically a repeatable process.
PRESSURE PROCESS:	High Pressure and Low Pressure	Low Pressure	Low Pressure
BOND: (DEPENDENT ON MATERIAL)	Excellent Adhesion	Good Adhesion	Good/Excellent Adhesion
CYCLE TIME:	Fast	Medium / Slow	Slow
LABOR COST:	Low	High	High
TOOLING COST:	Medium	N/A	Low
STRENGTH/LIFESPAN: (DEPENDENT ON MATERIAL)	High / Long	Low / Short	Medium / Medium
REPEATABILITY:	Excellent	Medium	Low
TEMPERATURE RESISTANT:	1	3	2
PHYSICAL ABUSE/ABRASION:	1	3	2
VIBRATION/SHOCK PROTECTION:	1	3	2
SOUND ABSORPTION:	1	2	3
CHEMICAL PROTECTION:	1	3	2
IP-67:	1	3	2
AESTHETICALLY PLEASING:	Yes	No	Depends

● Best
 ● Moderate
 ● Worst

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to those looking for assistance with their overmolded cables, connectors and custom products.

FOR MORE INFORMATION ON HOW WE CAN HELP, **CONTACT US TODAY!**