

This is meant only as a guide. Conditions and factors will vary. Feel free to call us at 586-336-5800 to speak to a composite expert

TOOLING		NOTES	
old ost \$	Mold Materials	Benefits	Drawbacks —
5 \$ - \$200K	steel thurn thurning Aunited	- Large Part Sizes - In Mold Painting - Lightweight - High Stiffness - Material Optimization for Weight & Mechanical Properties	- Less Fiber Loading In Deep Draws
5 \$ - \$200K	EPON HUM	- Large Part Sizes - Lightweight - High Matl Toughness - Low Mold Cost - High Impact Resistance	- Engineered Resin Cost
5\$ - \$200К	steel winn Eloninn Auninkel	- Large Part Sizes - In Mold Painting - Can mold solids, foams, elastomers, and composites	- Resin Cost is Greater Than Thermoplastic
\$\$ - \$300K	yeed	- Variety of Specialty Resins - High Heat Resistance - High Production Volume	- Expensive Tooling - Less Fiber Loading in Deep Draws - Secondary Processes Required for Good Surface Appearance
\$ - \$30K	EPOT Inninum	- Large Part Sizes - Can Vary Material Properties Greatly - Low Tooling Costs	- Annual tooling costs for multi-year programs - Slow cycle times
\$ - 525K	Nood Herboard	- Low Cost Tooling - Very Large Parts Can be Produced - Wide Range of Part Properties	- No B-side geometry such as bosses or ribs - Large part tolerances
\$\$ - 5300K	Steel num	- Very Fast Cycle Times - Lightweight resin - Very Good Part Detail - In Mold Color, No Painting Required	- Expensive tooling costs - Can't mold large parts
\$ - \$30K	Wood Munimum	- Low Cost Tooling - Very Large Parts Can be Produced - In Mold Color, No Painting Required	- No B-side geometry such as bosses or ribs - Large part tolerances