

Free tools for plastics and molding students

Calculators, charts and resin references built for the shop floor. No sign-up, and they work on a phone at the press.

Molding calculators

resinbridge.com/molding-calculators

Clamp tonnage, shrinkage and cavity size, cooling time, cooling line flow, TCU sizing, residence time, dryer and hopper, regrind, colorant, cost per part

Printable shop charts

resinbridge.com/printable-charts

Drying temperatures, melt and mold temperatures with shrinkage, defect quick-fix chart

Resin properties by grade

resinbridge.com/resin-properties

Typical data sheet values for 29 resins, metric and US units, with test methods

Material code decoder

resinbridge.com/material-code-decoder

What PA66-GF30, PP-T20 and part markings like >PC+ABS< mean

Defect finder and problem guides

resinbridge.com/insights

17 molding defects mapped to causes, plus step-by-step fixes

Resin comparison tool

resinbridge.com/resin-comparison-tool

Compare up to three resins on strength, heat, moisture and cost

How to read a data sheet

resinbridge.com/insight-how-to-read-resin-data-sheet

What each property means and how to compare grades fairly

Resin glossary

resinbridge.com/resin-glossary

MFI, HDT, GF30, COA, UL 94 and 50+ more terms



Scan for every tool: resinbridge.com/educators

Questions about a resin, a grade or a molding problem? Instructors can send them in and a polymer chemist will answer.

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