What is a Mold?
A thorough introduction to Plastic Injection Molding and Injection Mold Construction. Topics covered include: description of common plastics and their uses, the injection molding machine and molding process, and detailed functional characteristics of components within the mold.
Written by Len Graham, 121 pages.

Moldmaking and Die Cast Dies for Metalworking Trainees
Presents moldmaker trainees with basic fundamentals of mold construction with an emphasis on plastics molds. Die cast dies and rubber molds are also described. Defines and describes the types and parts of common molds. Properties of common molding materials and processes are also described.
Written by John Kluz, 306 pages.

Molded plastic plaque, 8-1/2 x 11, showing typical finishes to aid in communication with customers.
Includes A-1, A-2, A-3, B-1, B-2, B-3, C-1, C-2, C-3, D-1, and D-3 finishes.
Provided by the Society of Plastics Industry

Manufactured by Bales Mold Service, this SPI Mold Finish Guide shows several finishes, including several diamond comparisons, for measurement of tooling surfaces. The gauge is easy to read and includes data on the back to cross-reference the Roughness Average (RA) and SPI scales.
The 72 HRC surface hardness prevents damage or wear to the finishes after continual usage. In addition, the 3.5” x 6” guide is stored in a plastic sleeve for safe handling.

Mold Finish Guides
Steel Insert

Molded, ABS plastic plaque, 8-1/2 x 11, showing typical finishes to aid in communication with customers.
Includes A-1, A-2, A-3, B-1, B-2, B-3, C-1, C-2, C-3, D-1, and D-3 finishes.
Provided by the Society of Plastics Industry