



Beginner's Guide to Injection Moulding:

- Requires investment in tooling
- Provides high quality parts
- Good part finish
- Low unit cost
- Good machines and tooling are required to achieve the best results

Raw Material



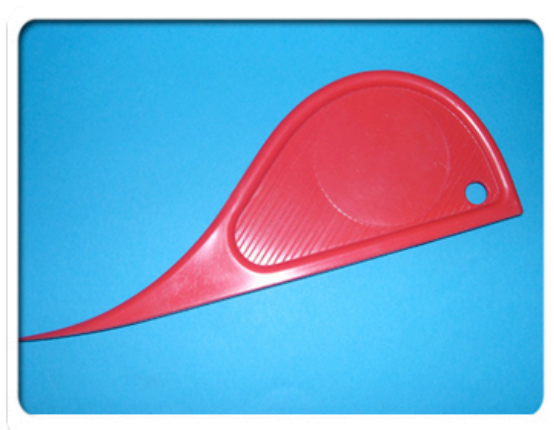
Tool



Machine



Product



Beginner's Guide to Materials:

MATERIAL	BENEFITS
Polypropylene (Caps, bungs, pails)	<ul style="list-style-type: none">• Cost effective• Chemical resistant• Good for hinges and snap fits
ABS (End caps, electrical cases, spa pool components)	<ul style="list-style-type: none">• Hard, strong• Glueable• Cost effective
Polycarbonate (Lexan) (Lens, brackets, light surrounds)	<ul style="list-style-type: none">• Very strong (unbreakable)• But can be scratched• Expensive• High temperature performance• Glass clear
Acrylic (Key chain lenses)	<ul style="list-style-type: none">• Glass clear• Brittle• Scratch resistant• Moderately expensive
Styrene (Throw away cups, rulers, brochure holders)	<ul style="list-style-type: none">• Good clarity• Brittle• Cost effective
Nylon (Terminal covers, rollers)	<ul style="list-style-type: none">• Tough• High temperature performance
Glass filled Nylon (Heavy duty feet, brackets)	<ul style="list-style-type: none">• Tough• Stiff• Expensive