

GUIDE TO PLASTIC MATERIALS



1 LDPE

Cost-effective and suitable for most applications. Very impact resistant in cold environment. Relatively soft. Low friction to fingers. Can be scratched on threads.

Type: Low density Polyethylene
Our range: EL, GG, EH, DA, DS, MA, NA, NE, NS
Suited for: Pipes, hoses & hydraulic fittings, automotive applications- e.g., quick connectors in fuel lines.

2 HDPE

High rigidity - stiffer than LDPE, weatherproof, low friction to fingers. Good chemical & impact resistance.

Type: High density Polyethylene
Our range: AA, AB, GV, MA, TB, TC
Suited for: Hydraulic and steering components in automotive applications. Cylinder blocks, adapter plates, oil sumps. Brake and fuel connectors.

3 EVA

Polymer that approaches elastomeric materials in softness and flexibility. Resistance to: low-temperature, chemicals, oil & UV radiation. Good clarity & gloss.

Type: Ethylene Vinyl Acetate
Our range: BB, NA, GA, GV, NS
Suited for: Automotive interior applications e.g., fuel line connectors, injectors and braking connections etc. Pipes, studs & hydraulic applications.

4 TPE

Versatile - high/low-temperature & chemical resistance, flexibility/rigidity. Excellent tensile and tear strength. High friction to fingers. No scratch on sharper edges in e.g., threads.

Type: Thermoplastic Elastomers
Our range: BB, FA, GD, GR, NS
Suited for: Automotive applications- e.g., turbochargers and engine block holes, fuel line connectors, valve terminals. Heating, HVAC.

5 PA66

Hygroscopic- absorbs water. Very strong and heat resistant. Excellent fuel and oil resistance. Can be filled with glass for improved strength.

Type: Polyamide 66
Our range: AB, NA, TA, TB, TC, TG
Suited for: Hydraulic units: gear pumps, control valves, cylinders, steering systems. Engine components: blocks, heads, power train transmissions.

6 LLDPE

Higher tensile strength and higher impact resistance than LDPE. Very flexible; good resistance to chemicals & good electrical properties.

Type: Linear low-density Polyethylene
Our range: AA, AB, AC, BB, BD, BE, MA, NA, WA/WR
Suited for: Pipes, Hydraulic & HVAC applications: flexible tubing, wires and cables.