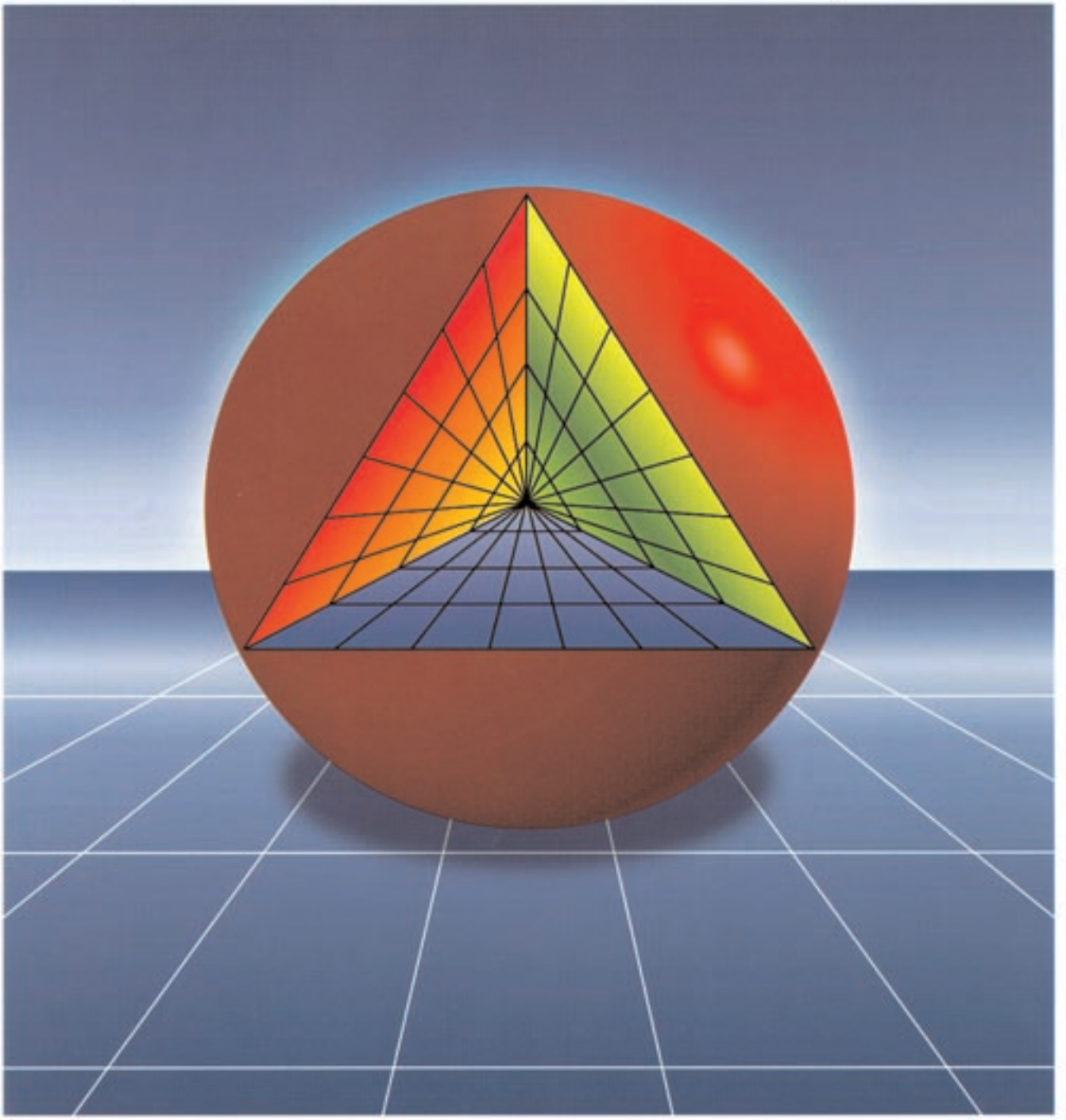
PLEIGER PLASTICS

Thermoplastic Elastomers

Injection Molded



PLEIGER

Pleiger

Thermoplastic Materials

Capabilities

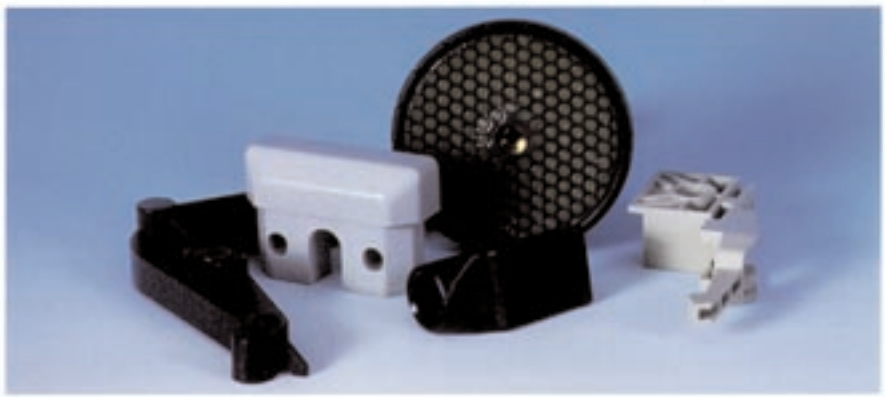
- Long and Short Runs
- Tooling Design Assistance
- Engineering Assistance
- Material Advice
- Flexible Production Change
- On Time Delivery
- Prompt Response on Quotations

Markets

- Exporter in over 32 countries world wide
- Material Handling
- Airport Maintenance Equipment
- Printing Industry
- Pumps
- Chemical Industry

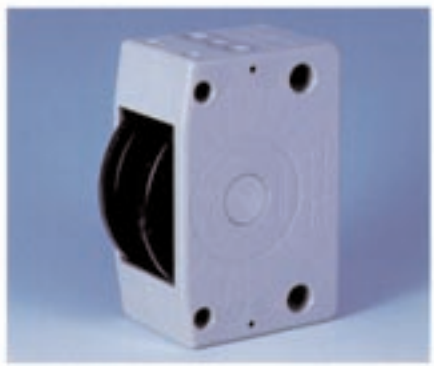
Materials

- ABS
- Polyurethane
- Polyamide
- Polycarbonate
- Polyethylene
- Polypropylene
- Polystyrene
- Plei-Tech®
- Polyvinylfluoride
- and Others



Housings

Through creative engineering design, housings with snap-fit-joints can be manufactured. This easy and fast way of assembly is an excellent alternative to bolted connections.



Gear Wheels and V-Belt Pulleys

Custom molded gears, wheels and V-belt pulleys made from high performance Polyamide (PA) as well as Thermoplastic Polyurethane (TPU) achieve excellent mechanical properties for use in various applications.

Engineered To Suit Your Needs

Rollers and Wheels

These customized rollers and wheels enhance performance through the combination of different plastic materials as well as through insert molding of high performance metal bearings.

Couplings

Injection molded couplings have excellent properties and are ideally suited for flexible couplings to eliminate start-up shock, as well as radial and co-axial misalignment between driven shafts.

Seals

Custom designed seals molded from high performance thermoplastic provide excellent physical properties as well as high chemical resistance.

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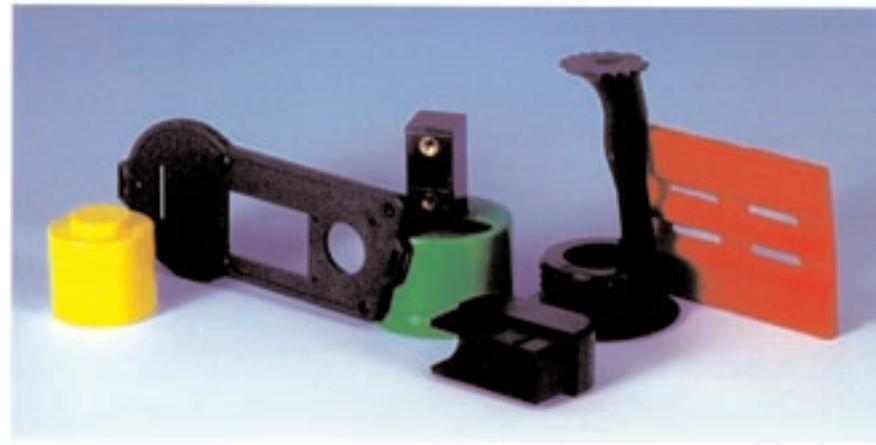
Miscellaneous

Our extensive experience in the processing of plastics provides you with all the necessary support to engineer your custom parts. Our engineers are able to support and bring your ideas to reality. The great variety of materials combined with modern injection molding techniques can create applications which were previously reserved for metals. We know how to make plastics do what metals cannot do.



Engineering Selection Guide

A = Excellent
F = Poor

MATERIAL	KEY PROPERTIES	ABRASION	CHEMICAL RESISTANCE	TOUGHNESS	HI TEMP STRENGTH	LO TEMP STRENGTH	PROCESSING	COST
TPU	Abrasion, wear	A	A	A	F	B	C	E
NYLON	General purpose	C+	A	B	B	B	B	D
ABS	Surface, chrome	D+	D	D+	F	C	A	A
PVC	Flame retardance	D+	D+	C	F	C	E	B
P-CARBONATE	Clarity, UV	D	F	A	C	A	C	D
ACETAL	Lubricity	C+	B	C+	B	B+	D	D
STYRENE	Clarity	E	E	E	F	D	A	A
POLYESTER	Hi temp, electrical	C+	A	D+	A	A	D+	C+
OLEFIN	Low cost	D	C	C	E	E	B	B

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• Polyurethane • Polyamide • Polycarbonate • Polyethylene
• Polyacetal • Polypropylene • Polystyrene • Polyvinylfluoride. . .

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