

MATERIAL APPLICATION GUIDE

MATERIAL	
PVC	Ducting, pipe work, outdoor applications. Flame retardant, good resistance to acids, alkalis and UV. Limited temperature range.
PMMA	Lenses, covers requiring optical clarity, signs and exhibition work.
ABS	Pipes for pressure systems, pumps, valves.
UHMWPE	Conveyor wear parts, fantastic abrasion resistance coupled with a low coefficient of friction. Expands with warmer temperatures.
NYLON	Bushes, gears, bearing guides low friction applications coupled with impact resistance.
HDPE	Pipe with fittings for low temperature work, good chemical resistance.
POM	Cogs and gears high tolerance components, dimensional stability, low coefficient of friction, electrical resistance.
PP	Pumps, valves, chemical handling equipment, hygienic applications, cladding. Excellent chemical resistance.
PC	Machine guards, safety windows, conservatory roofing, electrical connectors and applications.

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PET (P)	Food processing equipment, food approved, dimensional stability, high tolerance machining, higher temperatures but does not like hot water.
PVDF	Acid tanks, chemical processing. Excellent corrosive chemical and abrasion resistance.
PEI	Electronice insulators. Medical components high heat and flame resistance. High strength and rigidity at higher temperatures.
PTFE	Seals, washers and electrical insulation. Vast temperature range and chemical inertness. Non stick.
PEEK	Aerospace and nuclear bushes and seals. Can withstand a higher range of temperatures within the plastics. Very good mechanical, electrical, chemical and thermal properties.

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