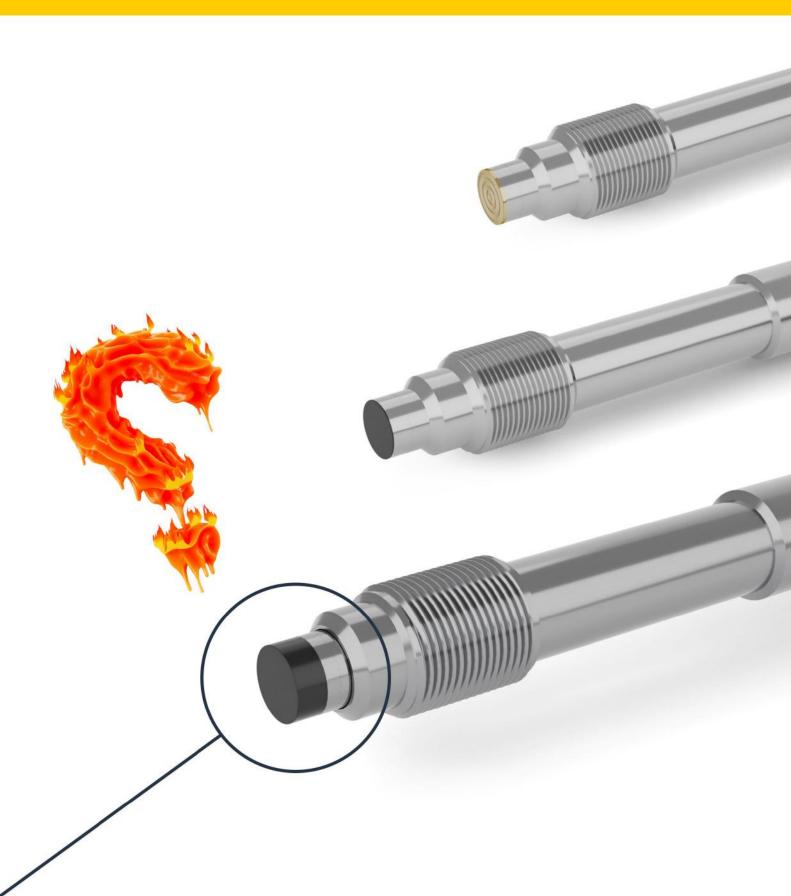
راهنما انتخاب متريال ديافراگم سنسور فشار مذاب



سنجش فرا هوشمند پارس اندازهگیری و کنترل نوآورانه در صنعت

Field of Applications	Material Processed	Process Temperature	Material	Note
Hydraulic pipes for heating, high pressure pipes, pipes for chemical industry, Rugs and carpets	Polypropylene (PP)	200-230°C	Standard Membrane	
Bags for potato chips, reclosable bags	Polypropylene (PP)	200-230°C	Standard Membrane	No Mercury as filling fluid
Nylon films and tapes for packaging; covering materials with good mechanical strength and resistance to high temperatures (profiles, corners)	PA6 (Nylon 6)	210-260°C	Standard Membrane (+ TiAIN coating)	P <500bar
Films, monofilaments and various profiles	PA66 (Nylon 66, Polyamide 66) / PVDF	210-290°C	Standard Membrane (+TiAIN coating)	P >500bar
Films for food (roast in bag)	PA66 (Nylon 66, Polyamide 66)	265-290°C	Standard Membrane (+ TiAIN coating)	No Mercury as filling fluid
Insulating sheath and sock for electrical cables	PVC (polyvinyl chloride) / Corrosive plastics	200°C	Hastelloy C-276 + TiAIN coating	
Finishing coatings (caravans, furniture, home appliances, freezers, formica, etc.)	ABS (Acrylonitrile Butadiene Styrene)	205-240°C	Standard Membrane (+ TiAIN coating)	100-250 bar
For packaging; construction	Teflon, Polycarbonate (PC), coloring agents; resin additives		Standard Membrane (+ TiAIN coating)	
Pharmaceutical use	Teflon, Polycarbonate (PC), coloring agents; resin additives		Standard Membrane (+ TiAIN coating)	No Mercury as filling fluid
Fluoropolymers	PTFE (Polytetrafluoroethylene)/FEP (fluorinated ethylene propylene)		INCONEL/HASTELLOY	Corrosive due to oxidation
Thermally insulated panels / Plexiglass; injection-moulded plastics	PMMA (high viscosity), plexiglass	190-230°C	Standard Membrane	
Pipes for hydraulic use (drains, sewers, etc.)	PVC-U, UPVC, RPVC (high viscosity)	180-200°C	Standard Membrane	
Plastic bags, films and coating tapes, low-cost laminates	LDPE (Low-density polyethylene)	170-190°C	Standard Membrane	
Food grade films	HDPE (High-density polyethylene)	180-210°C	Standard Membrane	No Mercury as filling fluid
Plastic bottles and other food applications	PET	250-290°C	Standard Membrane	No Mercury as filling fluid
Construction; compounds and tyres	Highly abrasive plastics; high speed extrusion; fiberglass, ceramics, mineral resins, rubber	Up to 400°C	INCONEL718 + TIAIN coating	deterioration of stem drift, precision and sensitivity
Abrasive applications	Processes containing glassy materials or abrasive resins		Standard Membrane (+ TiAIN coating)	1
Plastics recycling	Bulk materials + solid impurities		Standard Membrane (+ TiAIN coating)	



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