



راهنما انتخاب متریال دیافراگم سنسور فشار مذاب





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 (+ TiAlN coating)	P <500bar
Films, monofilaments and various profiles	PA66 (Nylon 66, Polyamide 66) / PVDF	210-290°C	Standard Membrane (+TiAlN coating)	P >500bar
Films for food (roast in bag)	PA66 (Nylon 66, Polyamide 66)	265-290°C	Standard Membrane (+ TiAlN coating)	No Mercury as filling fluid
Insulating sheath and sock for electrical cables	PVC (polyvinyl chloride) / Corrosive plastics	200°C	Hastelloy C-276 + TiAlN coating	
Finishing coatings (caravans, furniture, home appliances, freezers, formica, etc.)	ABS (Acrylonitrile Butadiene Styrene)	205-240°C	Standard Membrane (+ TiAlN coating)	100-250 bar
For packaging; construction	Teflon, Polycarbonate (PC), coloring agents; resin additives		Standard Membrane (+ TiAlN coating)	
Pharmaceutical use	Teflon, Polycarbonate (PC), coloring agents; resin additives		Standard Membrane (+ TiAlN 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 + TiAlN coating	deterioration of stem drift, precision and sensitivity
Abrasive applications	Processes containing glassy materials or abrasive resins		Standard Membrane (+ TiAlN coating)	
Plastics recycling	Bulk materials + solid impurities		Standard Membrane (+ TiAlN coating)	

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اندازه‌گیری و کنترل نوآورانه در صنعت



0313 222 4316 | 0910 207 1087

www.pressuremeasurement.ir

info@pressuremeasurement.ir

اصفهان، خیابان فردوسی، خیابان عافیت، نبش پنبست ۳، ساختمان مسیح، طبقه ۴، واحد ۸

