

水接头、水堵头、水电极

Water connector, water plug, water electrode

Application

— 该产品适用于化工、电子、环保、水处理、半导体、太阳能、电力等多种领域。

This product is suitable for various fields such as chemical industry, electronics, environmental protection, water treatment, semiconductor, solar energy, and electric power.

Material properties

— 选用注塑级高端PVDF颗粒，而且原材料可选择。

Use high-end injection-grade PVDF particles, and the raw materials are optional.

1. 国产材料---孚诺林2008/德宜206

Domestic materials - Funolin 2008/Deyi 206

2. 进口材料---法国苏威6008-0001/法国阿科玛9000HD

Imported materials - Solvay 6008-0001 from France / Arkema 9000HD from France

3. PVDF材料物性表

Physical property table of PVDF material

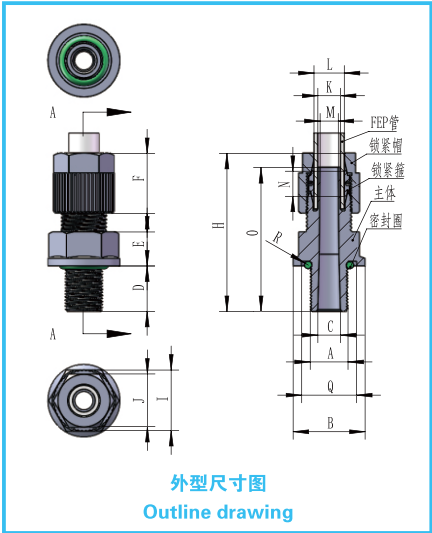


分 类 Classification	项 目 Project	测试标准 Test standard	数值 / 范围 Value/Range
基本物理性能 Basic physical properties	密度 Density	g/cm ³ (ASTM D792)	1.75 - 1.78
	吸水率 (23℃, 24h) Water absorption (23℃, 24h)	%(ASTM D570)	≤0.04
	成型收缩率 (流动) Molding shrinkage (flow)	%	2.0 - 3.0
热性能 therma performance	熔融温度 Melting temperature	℃(ASTM D3418)	170 - 175
	维卡软化温度 Vicat softening temperature	℃(ASTM D1525)	135 - 145
	热变形温度 (1.82MPa) Heat distortion temperature (1.82MPa)	℃	≈100
	连续使用温度 Continuous use temperature	℃	125 - 150
	线膨胀系数 Coefficient of linear expansion	×10 ⁻ □/℃	7 - 14
流变 / 加工性能 Rheological / Processing Properties	MFR(230℃/2.16kg) MFR(230℃/2.16kg)	g/10min	5.5 - 11
	MFR(230℃/5.0kg) MFR(230℃/5.0kg)	g/10min	16 - 30
机械性能 (23℃) Mechanical properties (23℃)	拉伸模量 Tensile modulus	MPa	1800 - 2500
	拉伸屈服强度 Tensile yield strength	MPa	50 - 55
	断裂伸长率 Elongation at break	%	≥20
	肖氏硬度 D Shore hardness D	—	74 - 80
电气性能 Electrical performance	体积电阻率 Volume resistivity	Ω · cm	≥10 ¹⁴
	介电常数 (1kHz) Dielectric constant (1kHz)	—	≈7.0
	介电损耗因子 (1kHz) Dielectric loss factor (1kHz)	—	<0.02
	绝缘强度 (3.2mm) Insulation strength (3.2mm)	kV/mm	≈12
其它特性 Other features	阻燃性 Flame retardancy	UL94	V-0
	耐化学性 Chemical resistance	—	优异
	耐候性 Weather resistance	—	优异
	适用领域 Applicable fields	—	锂电、电子、化工、注塑

配套产品 / Product Accessories

规格型号 Specification Model

1. 与客户端连接部位尺寸: A M10*1;M12*1.25;G1/4;G3/8;G3/4;G1 (连接部位螺纹尺寸)
Connection dimensions with the client side: A M10*1; M12*1.25; G1/4; G3/8; G3/4; G1 (thread dimensions of the connection part)
2. 主体最小安装尺寸 Minimum installation size of the main body: ϕB
3. 使用FEP软管尺寸 Use FEP hose size: $\phi L \times \phi M$ (管内外径尺寸 internal and external diameter dimensions of the tube)
4. 耐压 Pressure resistance: 水温 Water temperature $\leq 75^{\circ}\text{C}$ 1.5MP
水温 Water temperature $\leq 85^{\circ}\text{C}$ 1.2MP
水温 Water temperature $\leq 90^{\circ}\text{C}$ 1.0MP
5. 寿命 Lifespan: 本体 (PVDF) 寿命40年 , 密封圈 (硅橡胶或三元乙丙橡胶) 寿命5-10年
The lifespan of the main body (PVDF) is 40 years, while the lifespan of the sealing ring (silicone rubber or ethylene propylene diene monomer rubber) is 5-10 years



产品尺寸 Product dimensions

产品型号 Product Model	软管规格 φL*φM Hose specification	外牙规格A Outer tooth specification A	安装部位尺寸B Installation site dimension B	安装螺纹深度D Installation thread depth D	进/出水端孔直径 Inlet/outlet hole diameter	装配完总高度 The total height after assembly	密封方式 Sealing method
M10*1-12	Φ6*Φ4	M10*1	18	≥ 12	Φ4*Φ3	≤ 40	端面密封圈密封
M10*1-8	Φ8*Φ6	M10*1	18.5	≥ 12	Φ6*Φ4	≤ 40	
M12*1.25-6	Φ6*Φ4	M12*1.25	18.5	≥ 12	Φ4*Φ3	≤ 40	
M12*1.25-8	Φ8*Φ6	M12*1.25	18.5	≥ 12	Φ6*Φ4	≤ 40	
G1/8-6	Φ6*Φ4	M10*1	20	≥ 12	Φ4*Φ3	≤ 42	
G1/8-8	Φ8*Φ6	M10*1	20	≥ 12	Φ6*Φ4	≤ 42	
G1/4-6	Φ6*Φ4	G1/4	18	≥ 10	Φ4*Φ3	≤ 42	
G1/4-8	Φ8*Φ6	G1/4	22	≥ 10	Φ6*Φ4	≤ 42	
G1/4-10	Φ10*Φ8	G1/4	22	≥ 10	Φ8*Φ6	≤ 42	
G3/8-6	Φ6*Φ4	G3/8	23.5	≥ 10	Φ4*Φ3	≤ 43	
G3/8-8	Φ8*Φ6	G3/8	23.5	≥ 10	Φ6*Φ4	≤ 43	
G3/8-10	Φ10*Φ8	G3/8	23.5	≥ 10	Φ8*Φ6	≤ 43	
G3/8-12	Φ12*Φ10	G3/8	23.5	≥ 10	Φ10*Φ8	≤ 43	
G3/8-14	Φ14*Φ12	G3/8	24	≥ 10	Φ12*Φ10	≤ 45	
M10*1-12	密封水堵头						
G3/8	密封水堵头						
G1/4	密封水堵头						

订货选型 Order selection

以上规格均有现成模具产品, 最小起订标准100套, 其余规格如G1/2, G3/4, G1, 均可以机械加工方式订货, 另外我公司配有相应规格的PVDF水堵头可以订制生产。