

Performance Comparison of Variant Safety Shields 各种泄漏保护套性能比较表

Name	Main Material	Application	Performance Description	Few Defects
Flange Shield	Gore-Tex Fabric (Red Color on front face)  Domestic imitated fabric has the similar performance as Gore-Tex	Basically long term use at all conditions (Outdoor, low/high temperature, UV, etc)	<ul style="list-style-type: none"> Compared to the foreign products, this kind of flange shield has the best cost-effective feature Fabric has surface with abilities of anti-oil, anti-general chemical corrosion, water infiltration, ventilation Superior tensile and tear strength, excellent toughness and resistance to wearout UV resistant Very wide temperature range -100°C~150°C Washable, reusable, long term life Light, easy to install 	<ul style="list-style-type: none"> Higher price Not flame resistant Opaque
	Polyvinyl Chloride (PVC) Grid 	Indoor and room temperature	<ul style="list-style-type: none"> Economic in price, convenient in installation, Translucent Water resistant, resistance to most of chemicals (concentrated Hydrochloric Acid, 90% of Sulfuric Acid, 60% Nitric Acid and 20% Sodium Hydroxide), resistance to most of Oxidants, Reductants and strong acid Internal reinforced by grid fabric, excellent tensile and tensile strength UV resistant additive Flame resistant 	<ul style="list-style-type: none"> Narrow using temperatue range -15~60°C Not suitable in the conditions of contacting with Aromatic Hydrocarbons, Chlorinated Hydrocarbons In the sunlight, easily crisp, discolor, and ageing, not good for long term using Poor heat resistant, softening point at 80°C, decomposing point at 130°C and exhausting HCl
	Polyvinyl Chloride (PVC) Transparent 	Indoor and room temperature	<ul style="list-style-type: none"> Full transparent, excellent visual effect Water resistant, resistance to most of chemicals (concentrated Hydrochloric Acid, 90% of Sulfuric Acid, 60% Nitric Acid and 20% Sodium Hydroxide), resistance to most of Oxidants, Reductants and strong acid UV resistant additive Flame resistant 	<ul style="list-style-type: none"> Narrow using temperatue range -15~60°C Normal tensile and tensile strength Not suitable in the conditions of contacting with Aromatic Hydrocarbons, Chlorinated Hydrocarbons In the sunlight, easily crisp, discolor, and ageing, not good for long term using Poor heat resistant, softening point at 80°C, decomposing point at 130°C and exhausting HCl
	Polypropylene (PP) Foreign Product 	General conditions	<ul style="list-style-type: none"> Excellent resistant properties of hygroscopic, acid and alkali corrosion and dissolvability Excellent chemical stability for most acid, alkali, salt, the oxidant and solvent Long term using at -40°C~100°C UV resistant additive Flame resistant 	<ul style="list-style-type: none"> Imported products, low cost-effective feature Normal tensile and tensile strength Long term under the strong sunlight easily crisp
	Polyethylene (PE) Foreign Product 	General conditions	<ul style="list-style-type: none"> Resistance to many organic solvents Resistance to many acid and alkali corrosion UV resistant additive Flame resistant 	<ul style="list-style-type: none"> Imported products, low cost-effective feature Narrow using temperatue range -60~60°C Not resistant to oxidation acid, such as nitric acid Oxidated in oxidizing environment
Scanvex Safety Tape 	Polypropylene (PP) General conditions	<ul style="list-style-type: none"> Rolls delivery, cut according to the required length, minimize the stock storage Most economic in price, convenient in installation Transparent material allows visual control Excellent resistant properties of hygroscopic, acid and alkali corrosion and dissolvability Excellent chemical stability for most acid, alkali, salt, the oxidant and solvent Long term using at -40°C~100°C UV resistance additive Flame resistance 	<ul style="list-style-type: none"> Only protect the connection gap between two flange pieces, not for protection all around Normal tensile and tensile strength Long term under the strong sunlight, easily crisp 	
Scanvex Spray Control Steel Ring 	Stainless steel 1.4403 Foreign product High temperature, high pressure conditions	<ul style="list-style-type: none"> Universally using, easy assembly High strength, impact resistance, suitable for high pressure medium Resistant to many acid and alkali corrosion Resistant to atmophoere, UV, radiation, High temperature and high pressure Reusable Not flammable 	<ul style="list-style-type: none"> Only protect the connection gap between two flange pieces, not for protection all around Imported product, high price, long delivery time Poorly resistant to Hydrochloric Acid and chlorine-ion medium 	

Orange color columns are the recommended products