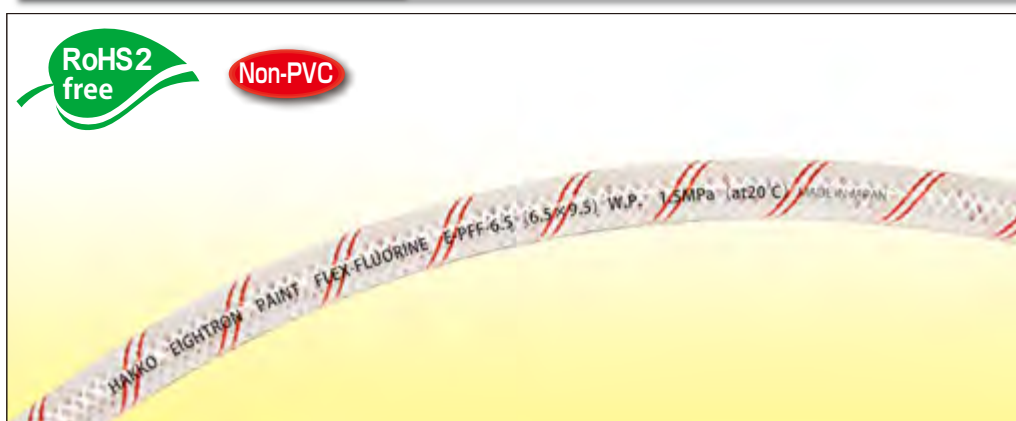


Solvent Transfer and Paint Hose Flexible Paint Hose for Water-Based Paints, Organic Solvents; Long Duration

Paint Flex-Fluorine Hose

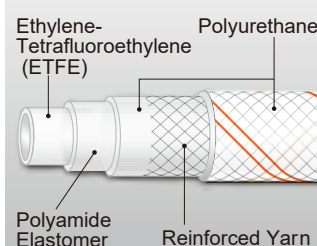
[Model Number: E-PFF-(I.D.)]

Applications • Fluids

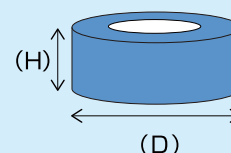


- For Manual Painting such as Automobiles, Motorcycles, and Auto Parts
- For Pipes at Manufacturing Plants of Solvents and Paints
- For Transferring Chemicals

(Materials / Structure)



(Packing Dimension)



Standard • Packing Information

Model Number	Inch (Inside Diameter) (*1)	I.D. × O.D.	Working Pressure MPa		Minimum Bend Radius at 20°C	Temperature Range °C	Standard Length m	Product Weight kg/roll	Color	Packing Dimension(*2)			
										Packing	Diameter (D) cm	Height (H) cm	Weight/roll kg/roll
		mm	at 20°C	at 60°C	mm								
E-PFF-6.5	1/4	6.5 × 9.5	0 ~ 1.5	0 ~ 0.7	50	- 20 ~ 60	20	0.96	Clear+ Red Line	Film Wrapping	34	5	0.96
							100	4.77		Paper Bobbin	38.5	15	5.69

*1: Please note that inch size is approximate, which is not equal to millimeter.

*2: "Diameter (D)" × "Height (H)" means "External Dimensions of Cardboard Box (D)" × "Height (H)."

Characteristics and Functions

Non-PVC

Non-Adhesiveness

Chemical Resistance

Solvent Resistance

Transparency

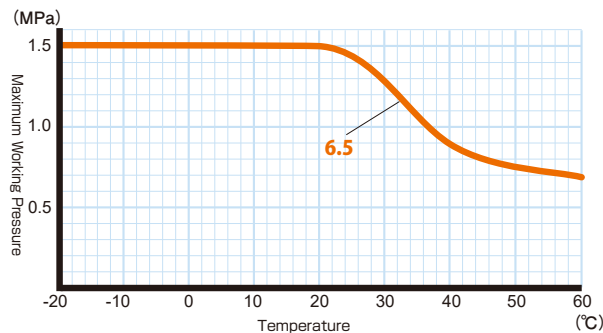
Pressure-Proof

Water Based Paints

- **Water-Based Paints**...Since the inner layer is made of ETFE fluorine resin, E-PFF is resistant to most of the paints (including water-based paints such as Amine and Alcohol.)
- **Solvent Resistance**...Since the inner layer is made of ETFE fluorine resin, E-PFF is resistant to paints, organic solvents, thinner, and so on.
- **Easy to Cut**...Since we print the cut mark on the hose every meter, it is easy to cut the length you would like to.
- **Flexibility**...Due to the laminated structure, compared with the conventional single-layer fluorine tubing, E-PFF is superior in flexibility, resulting in kink-resistance.
- **Transparency**...E-PFF enables you to check the fluid very easily.
- **Green Procurement**...E-PFF is compliant with RoHS2 requirements.
- **Original Fittings**...By using our original fittings, you can avoid accidents which are caused by incorrect choices of hose and fittings.

Technical Information

E-PFF: Relationship between Working Temperature and Maximum Working Pressure



- We can manufacture sizes, standard lengths, and color which are not listed on the catalog as made-to-order products. If you are interested in your original hoses which are tailored to your needs, do not hesitate to contact us.
- Please do not use the joints to seal an outer surface of the hose, which results in the bursting and coming off from the hose.
- Due to the multi-layer structure, even though the material of the inner layer stands proof against chemical substances, depending on the using conditions, fluids may leak to the middle and outer layers, leading to swelling, leakage, changing colors, and bursting.

(Paint Hose Series/Data of Soaking into Paint)

Test Procedure

Pieces of dumbbell (inner layer of the Solvent Transfer Series) are soaked into respective types of paint in order to determine the post-soaking tensile strength and calculate its tensile strength in the formula below.

$$\text{Tensile Strength(\%)} = \frac{\text{Tensile Strength After Soaking}}{\text{Tensile Strength Before Soaking}} \times 100$$

Soaking Time: 50 days (1,200 hours)

Material for Inner Layer

Polyamide : Paint Flex-Nylon (E-PFN) - Solvent Transfer Hose (E-SV)
Fluorine Resin (ETFE) : Paint Flex-Fluorine (E-PFF)





Type of Paint	Material for Inner Layer	Retention of Tensile Strength	60%	80%	100%	Type of Paint	Material for Inner Layer	Retention of Tensile Strength	60%	80%	100%
Clear	Polyamide					Two Component Fluorine Clear	Polyamide				
	Fluorine Resin						Fluorine Resin				
Solvent Methyl Based	Polyamide					Fluorine Hardener	Polyamide				
	Fluorine Resin						Fluorine Resin				
Solvent Sulfur Monoxide Based	Polyamide					Solvent Based	Polyamide				
	Fluorine Resin						Fluorine Resin				
Water Based	Polyamide					Solvent Color Based	Polyamide				
	Fluorine Resin						Fluorine Resin				
Solvent Coating	Polyamide					Solvent Conductive Primer	Polyamide				
	Fluorine Resin						Fluorine Resin				
Two Component Clear	Polyamide					Solvent Primer	Polyamide				
	Fluorine Resin						Fluorine Resin				

*Low Retention of Tensile Strength means that the material swells and deteriorates against the chemical.

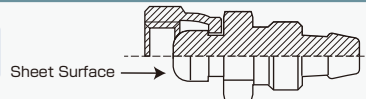
*This data is measured under the certain circumstances. Thus, depending on the using conditions, environments, and duration, this data might not be reliable.

*The results shown above are not guaranteed. Please make sure to check under your working conditions.

HAKKO Original Fittings

Model Number	Hose Size I.D. × O.D.	Thread	Paint Hose Series Original Fittings			
			E-FB	E-FS	E-FBG	E-FSG
						
			Brass Nickel Plating	Wetted Part : SUS304 Nut : Brass Nickel Plating	Brass Nickel Plating	Wetted Part : SUS304 Nut : Brass Nickel Plating
E-PFF-6.5	φ 6.5 × 9.5	G1/4	E-FB-6.5-G1/4	E-FS-6.5-G1/4	E-FBG-6.5-G1/4	E-FSG-6.5-G1/4
		G3/8	E-FB-6.5-G3/8	E-FS-6.5-G3/8	E-FBG-6.5-G3/8	E-FSG-6.5-G3/8

The Shape of Sheet Surface on Threaded Portion of Hose Joint



At the other side, please select parallel thread of Female Sheet.



*Due to the yarn-reinforced hose, please use the joints to seal an inner surface of the hose.

*Please do not use the joints to seal an outer surface of the hose. This may result in the bursting or coming off from the hose.

*When you use our products, please refer to "Precautions for Use" available on our webpage and product catalog.

*In terms of chemical resistance, please refer to "Chemical Resistance Data" available on our webpage and product catalog.

Contact us if you have any inquiries about HAKKO products.

HAKKO
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HAKKO CORPORATION

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