

# Irrax™ tubeA (Heat-resistant tubing for general purpose)

## ● Basic Properties

- (1) Materials : Cross-linked, flexible polyolefin resin
- (2) Continuous operating temperature : -55 to 105°C

## ● Features & Benefits

- (1) Excellent oil and chemical resistance
- (2) Transparent colors

## ● Specifications & Approvals

SFP standard(R1-0280)

## ● Applications

- (1) Insulation and protection of lead wires of resistances and capacitors
- (2) Protection of lead wires and parts which are subject to high temperature
- (3) Insulation of lead wires for wiring of AV, OA, and telecommunication equipment, and counters

## ● Colors

Standard colors : Black, brown, red, orange, yellow, green, blue, violet, gray, white and clear

## ● Properties

Properties	Items	Requirements	Typical values*
Mechanical	Tensile Strength	10.3MPa min.	19.2MPa
	Ultimate Elongation	200%min	440%
	Specific Gravity	-	0.92
	Hardness (Shore-D)	-	42
Electrical	Dielectric Voltage Withstand (before aging)	A.C.2.5kV×60 sec. No breakdown	Pass
	Volume Resistivity	$1.0 \times 10^{16} \Omega \cdot \text{cm}$ min.	$1.6 \times 10^{16} \Omega \cdot \text{cm}$
Chemical	Water Absorption	23°C×24 hours, 0.10% max.	0.09%
	Flammability	Flammable	-

\* Some are not guaranteed values

## ● Sizes

Nominal Size	Inside Diameter (mm)	Wall Thickness (mm)	Unit Length (m)
0.4×0.25	0.40±0.05	0.25±0.05	1,000 min.
0.7×0.25	0.70±0.10	0.25±0.05	1,000 min.
1×0.3	1.00±0.10	0.30±0.05	500 min.
1.5×0.3	1.50±0.10	0.30±0.05	400 min.
2×0.3	2.00±0.20	0.30±0.05	300 min.
3×0.3	3.00±0.20	0.30±0.05	400 min.
4×0.3	4.00±0.30	0.30±0.05	400 min.
5×0.3	5.00±0.30	0.30±0.05	200 min.
6×0.3	6.00±0.50	0.30±0.05	200 min.
8×0.4	8.0±0.5	0.40±0.05	100 min.
10×0.4	10.0±0.5	0.40±0.05	100 min.

Longitudinal change : -20% min. (125°C×1minute)

## ● Caution!

All statements and technical information contained herein are based on tests we believe to be liable and only general properties are described. Therefore, safety of each specific application by the users should not be guaranteed. The users themselves should determine product conformance to your specific applications and assume all responsibility for all damages that may be caused directly or indirectly when using the products.