Irrax™tape VZL (Heat-resistant tapes Free of lead)

● Basic Properties

(1) Materials : Cross-linked, flexible, flame-retardant poly vinyl chloride resin (with adhesive material)

(2) Continuous operating temperature : -30 to 105℃

● Features & Benefits

(1) Free of lead , lead compounds or dioctyl phthalate

(2) Flame-retardant

●Specifications & Approvals

SFP standard (RE2-1304)

● Applications

(1) Insulation, bundling, and protection of wire harnesses and parts for automobile

(2) Protection and bundling of lead wires and parts which are subject to high temperature

(3) Protection of wiring inside an airplane where flame-retardance is required

● Colors

Standard colors : Gray, Black

●Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile Strength (before aging)	29.4N/19mm in width min.	33.2N/19mm in width
	Tensile Strength (after aging)	120℃×7 days, 29.4N/19mm in width min.	35.5N/19mm in width
	Ultimate Elongation (before aging)	125% min.	172%
	Ultimate Elongation (after aging)	120℃×7 days, 100% min.	143%
	Heat Shock	200℃×0.5 hour, No melting	Pass
	Low temperature resistance	-45℃×1 hour, No cracking	Pass
	Peeling	No adhesive sticking to the back surface of the next layer	Pass
	Lap Joint Adhesion (before aging)	29.4N/19mm in width min.	35N/19mm in width
	Adhesion Strength (before aging)	1.96N/19mm in width min.	2.84N/19mm in width
	Adhesion Strength (after aging)	*2 Percent of original 85%	105%
Electrical	Dielectric Voltage Withstand (before aging)	A.C.1.0kV×60 sec.No breakdown	Pass
	Volume Resistivity	$1.0\times10^{12}\Omega$・cm min.	$1.3\times10^{15}\Omega$・cm
Chemical	Flammability	Flame-retardant(OI:23.5 min.)	Pass

*1 Some are not guaranteed values

*2 70℃×4 hours, 0.5 hours under water, 70℃×0.5 hours

●Sizes

Nominal Size	Wall Thickness (mm)	Width (mm)	Unit Length (m)
0.09×19×30M	0.09±0.02	19.0±1.0	30 min.
0.09×25×30M	0.09±0.02	25.0±1.0	30 min.

●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.