

Wire & Cable

Properties

Items / Test Method (ASTM)		Insulation					
		60°C	75°C	80°C	90°C	105°C	Non-Migration
Specific Gravity	D-792	1.38~1.52	1.38~1.52	1.38~1.52	1.38~1.52	1.38~1.52	1.38~1.52
Hardness (shore A)	D-2240	85~96	85~96	85~96	85~96	85~96	85~96
Tensile Strength (kg/cm ²)	D-638	>110	>110	>110	>110	>110	>105
Elongation (%)	D-638	>180	>180	>180	>180	>180	>180
Volume Resistivity(Ω - cm)	-	>1*10 ¹³	>1*10 ¹³	>1*10 ¹³	>1*10 ¹³	>1*10 ¹³	>1*10 ¹³
Air Oven Agine Test	-	100°C *168h	100°C *240h	121°C *120h	121°C *168h	136°C *168h	136°C *168h
Tensile After Ageing (%)	D-638	>65	>65	>65	>65	>65	>75
Elongation After Ageing (%)	D-638	>65	>65	>65	>65	>65	>75

*Comply with RoHS

Items / Test Method (ASTM)		Jacket					
		60°C	75°C	80°C	90°C	105°C	Non-Migration
Specific Gravity	D-792	1.40~1.52	1.40~1.52	1.44~1.46	1.44~1.46	1.45~1.47	1.44~1.48
Hardness (shore A)	D-2240	77~93	77~93	85~93	85~93	85~92	88~92
TensileStrength (kg/cm ²)	D-638	>110	>110	>130	>130	>120	>130
Elongation (%)	D-638	>180	>180	>200	>200	>250	>280
Air Oven Agine Test	-	100°C *168h	100°C *240h	121°C *120h	121°C *168h	136°C *168h	136°C *168h
Tensile After Ageing (%)	D-638	>65	>65	>65	>65	>65	>75
Elongation After Ageing(%)	D-638	>65	>65	>65	>65	>65	>75

*Comply with RoHS, Optional flame retardant UL94V-0 requirements