

Wire & Cable PVC Compounds – Product Range

INSULATION PVC COMPOUNDS			Features			Density (g/cm ³)	Tensile Strength (N/mm ²)	Elongation at Break (%)	Hardness (Shore A)	Insulation Resistance (MΩ.Km)	Thermal Stability @ 200°C (Mi)	Mass Loss (mg/cm ²)
Grade	Product Description	Classifications	Temp. Rating	Heat Resist.	Color	ASTM D 792	ASTM D 638	ASTM D 638	ASTM D 2240	BS 7682	BS 2782	ASTM D 573
VC14110	TI-1 General Purpose PVC Insulation Compound	BS50363-3: TI-1	70°C		NAT	1.45	18.5	285	88	115	>75	<1.5
VC41110	TI-2 Flexible PVC Insulation Compound	BS50363-3: TI- 2	70°C		NAT	1.50	17.0	290	75	10	>75	<1.5
VC31110	TI-3 Heat Resistant PVC Insulation Compound	IEC60227: Type E • BS7655-3.1: TI-1 • BS7655-4.1: TM-3	90 - 105°C	•	NAT	1.40	20.0	275	90	>300	>275	<1.5
VC33110	SI-3 Heat Resistant UL-PVC Insulation Compound	BS7655-3.1: TI -3 • UL1581: THHN/ THWN /UL-83 • DIN/VDE 207: Part 4	105°C	•	NAT	1.40	22.0	300	90	>250	>260	<1.5
VC52110	SI-5 Heat Resistant PVC Insulation Compound	IEC60227: Type E	85°C	•	NAT	1.40	22.0	325	90	>350	>225	<1.5

SHEATHING PVC COMPOUNDS			Features ⁽¹⁾					Density (g/cm ³)	Tensile Strength (N/mm ²)	Elongation at Break (%)	Hardness (Shore A)	Thermal Stability @ 200°C (Mi)	Mass loss (mg/cm ²)	Oxygen Index (%)	
Grade	Product Description	Classifications	Temp. Rating	FR	TR	UV	OR	Color	ASTM D 792	ASTM D 638	ASTM D 638	ASTM D 2240	BS 2782	ASTM D 573	ASTM D2863
VC21110	TM -1 Nat General Purpose PVC Sheathing Compound	BS7655-4.1: TM- 1	70°C					NAT	1.47	17.0	300	88	>80	<1.5	
VC71115	TM -2 Gray Flexible PVC Sheathing Compound	IEC60227: Type D • BS7655-4.1: TM- 2	70°C					GRY	1.47	17.0	300	80	>75	<1.5	
VC72111	TM -2 White Flexible PVC Sheathing Compound	IEC60227: Type D • BS7655-4.1: TM- 2	70°C					WHT	1.47	14.5	300	75	>75	<1.5	
VC81110	ST- 1 Nat General Purpose PVC Sheathing Compound	IEC60502: ST 1	80°C					NAT	1.48	14.5	280	80	>75	<1.5	
VC90110	ST- 2 Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST 2	90°C					NAT	1.40	20.0	300	92	>75	<1.0	
VC92112	ST- 2 Black PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST 2	90°C			•		BLK	1.50	16.5	300	85	>75	<1.5	
VC95220	ST-2 FR Cat-A Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9	90°C	•				NAT	1.37	20.0	300	90	>75	<1.5	>33
VC95530	ST-2 FTR Cat-C Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST 2	90°C	•	•			NAT	1.50	18.0	285	85	>80	<1.2	>30
VC95540	ST-2 FTR Cat-A Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST 2	90°C	•	•			NAT	1.50	18.0	300	85	>80	<1.2	>33
VC95630	ST-2 FOTR Cat-C Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST 2	90°C	•	•	•	•	NAT	1.50	17.5	275	85	>80	<1.0	>30
VC95640	ST-2 FOTR Cat-A Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST2	90°C	•	•	•	•	NAT	1.50	17.5	275	85	>80	<1.0	>33
VC92763	ST-2 FTUVSOR Nat PVC Sheathing Compound	IEC60502: ST 2 • BS7655-4.2: Type 9 • IS 5831: Type ST2	90°C	•	•	•	•	RED	1.47	16.5	300	85	>80	<1.0	>30
VC68110	ST-1 Nat General Purpose PVC Sheathing / Bedding Compound	IEC60502: ST 1 • BS7655-4.2: Type 6	80°C					NAT	1.58	16.5	275	89	>60	<2.0	

⁽¹⁾ FR: Flame Retardant, TR: Termitte Resistant, UV: Ultra-Violet Stabilized, OR: Oil Resistant

Colors: NAT: Natural, WHT: White, BLK: Black, RED: Red, GRY: Gray

Note: All grades are also available as lead-free based compounds to meet low toxicity requirements