

## Our Products :

### PVC Compounds for Special Wires and Cables

#### 1-PVC Special Sheathing Compounds Products:

	Product Name	Product Code	General requirements according to the international standards (BS En. 50363:2005 & IEC 60502:2021) & Customer Specifications			Special Requirements
			Density (g/cc)	Tensile Strength (N/mm <sup>2</sup> ) Minimum	Elongation (%) Minimum	
1	PVC Black Sheathing 90 °C FR-Cat. C.	GP-Sp-S-07	1.5 ± 0.03	12.5	150	Flame Retardant part 3 cat (C) according to IEC-60332-1
2	PVC Black Sheathing 90 °C AT-UV-FR P.1	GP-Sp-S-09	1.5 ± 0.03	12.5	150	Flame Retardant part 1 according to IEC-60332, Anti Termite & Ultra Violet Resistant.
3	PVC Black Sheath 90 °C FR part 3 cat (C), HC, Water, Oil, Chemical, AT & UV Resistant	GP-Sp-S-10	1.5 ± 0.03	12.5	150	Flame Retardant part 3 cat (C), according to IEC-60332-1 Hydrocarbon, Low Smoke, Water, Oil, Chemical, Anti Rodent & Ultra Violet Resistant.
4	PVC Black Sheathing 90 °C AT-UV-FR-P.1-Wat. & Abrasion Resistant	GP-Sp-S-25	1.5 ± 0.03	12.5	150	Flame Retardant part 1 according to IEC-60332, Water Resistant (As IPX7 AD7 immersion-70 C) & Abrasion & UV Resistant
5	PVC Black Sheathing 90 °C AT-UV-FR-P.1-Wat. Resistant	GP-Sp-S-26	1.5 ± 0.03	12.5	150	Flame Retardant part 1 according to IEC-60332, Water Resistant (As IPX7 AD7 immersion-70 C) & UV Resistant
6	PVC Black Sheath 90 °C FR part 3 cat (C), LSLH, HC, Moisture, Water, Oil, Chemical, AT & UV Resistant	GP-Sp-S-33	1.42 ± 0.03	12.5	150	Flame Retardant part 3 cat (C), according to IEC-60332-1 Hydrocarbon, Low Smoke, Moisture, Water, Oil, Chemical, Anti vermin, Rodent & Ultra Violet Resistant.
7	PVC Black Sheathing 90 °C Mineral Oil Resistant, Acid Resistant 90 % and alkaline Resistant 30%	GP-Sp-S-44	1.5 ± 0.03	12.5	150	Mineral Oil Resistant, Acid Resistant 90 % and alkaline Resistant 30%.
8	PVC Natural Sheathing 105oC	GP-Sp-S-58	1.5 ± 0.03	12.5	150	Heat resistant (Minimum Thermal Stability =240 minutes) according to BS 7655 -4-1 [TM3]
9	PVC Natural Sheathing 90oC FR Category A, LSLH	GP-Sp-S-59	1.5 ± 0.03	12.5	150	Flame Retardant part 1 according to IEC-60332, Low smoke low halogen
10	PVC Violet Telephone Sheathing 70oC (WE Comp.)	GP-Sp-S-72	1.5 ± 0.03	12.5	150	Violet Color according to the required degree of WE Company.
11	PVC Black Sheathing 90 °C LF (RoHs & REACH)	GP-Sp-S-84	1.5 ± 0.03	12.5	150	Lead Free according to RoHs & REACH standards

## 2-PVC Special Insulation Compound Products:

	Product Name	Product Code	General requirements according to the international standards (BS En. 50363:2005 & IEC 60502:2021) & Customer Specifications				Special Requirements
			Density (g/cc)	Tensile Strength (N/mm <sup>2</sup> ) Minimum	Elongation (%) Minimum	Volume Resistivity at 20°C (Ohm.cm) Minimum	
1	PVC Flexible Insulation 105 °C- Heat Resistant	GP-Sp-I-04	1.43 ± 0.03	12.5	150	1013	Heat resistant (Minimum Thermal Stability =240 minutes) according to BS 7655 Section 3.1 , BSEN 50363 [T13]
2	PVC Natural Telephone Insulation [T2]	GP-Sp-I-06	1.36 ± 0.03	18.5	150	1013	Telephone Insulation according to Customer Requirements
3	PVC Natural Insulation 70 °C-Salts resistant	GP-Sp-I-14	1.43 ± 0.03	12.5	150	1013	Chemicals Resistant & Salt Water (As IPX7 AD7 immersion-70 C)
4	PVC Natural Insulation 70 °C-LSLH& water resistant	GP-Sp-I-18	1.42 ± 0.03	12.5	150	1013	LSLH (Low smoke low halogen) Water Resistant (As IPX7 AD7 immersion-70 C)
5	PVC Natural Insulation 70 °C LF	GP-Sp-I-20	1.36 ± 0.03	12.5	150	1013	Lead Free according to RoHs & REACH standards