

**TECHNICAL SPECIFICATION**

**EMVIN 737 NC--PVC CABLE COMPOUND**

EMVIN 737 NC PVC Compound meets the test requirements for Type TI 1 (General Purpose Insulation) as per BS EN 50363-3:2005.

**General Properties:**

1. Form : Granules
2. Colour : Natural
3. Surface : Smooth, Glossy and Homogeneous
4. Maximum Material Operating Temperature : 70°C
5. Specific Gravity : 1.44 ± 0.02
6. Shore Hardness : 90 ± 2 A
7. Application : General Purpose PVC Insulation
8. Stabilization : Lead based.

TEST	UNIT	Type TI1 Requirements	EMVIN 737 Typical Value
<u>Properties before ageing:</u>			
Tensile Strength	N/mm <sup>2</sup>	12.5 minimum	17.0
Elongation at Break	%	125 minimum	250
<u>Properties after ageing in air oven at 80°C for 7 X 24 hours</u>			
Tensile Strength	N/mm <sup>2</sup>	12.5 minimum	17.4
Variation	%	20 maximum	2.35
Elongation at Break	%	125 minimum	230
Variation	%	20 maximum	8.00
Loss of Mass at 80°C for 7 X 24 hrs	mg/cm <sup>2</sup>	2 maximum	1.2
Insulation Resistance test at 70°C K Value	MΩ.Km	0.037 minimum	0.37

THE ABOVE DATA IS BASED ON THE TEST RESULTS AND, THOUGH GIVEN IN GOOD FAITH, SHALL BE TAKEN NEITHER AS WARRANTY NOR AS GUARANTEE OF COMPOUND PERFORMANCE