



# TECHNICAL DATA SHEET

## NHGCP5

Vincarb Ultra-fine Uncoated Calcium Carbonate Powder, for Standard PVC Compound used in Cable & Wire

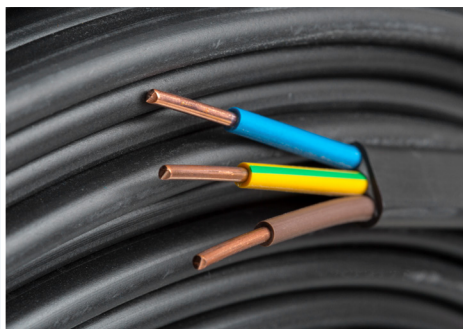
### Product Specification Overview

| Product code | Surface Treatment | Application  | End-product  | Particle Size |
|--------------|-------------------|--------------|--------------|---------------|
| NHGCP5       | Uncoated          | PVC Compound | Cable & Wire | 5-74          |

### PRODUCT DESCRIPTION

Vincarb NHGCP5 is an ultra-fine uncoated calcium carbonate powder specifically designed for PVC Compounds used in the production of Cable & Wire. In electrical applications, purity is a safety requirement. NHGCP5 features an ultra-low iron content ( $\text{Fe}_2\text{O}_3$  min 0.01%), which is vital for maintaining the dielectric properties of the insulation. By keeping moisture at a negligible 0.2%, it ensures that the cable sheath remains free of internal voids, preventing electrical leakage and ensuring long-term safety in high-voltage environments.

### APPLICATIONS



SPECIFIC PRODUCT DATA

Physical Characteristics

|                    |                 |
|--------------------|-----------------|
| Max Density        | 2.65 - 2.7g/cm3 |
| Hardness           | 3 Moh           |
| Brightness         | 95% Min         |
| Whiteness          | 98% Min         |
| Moisture           | 0.2%            |
| DOP Oil Absorption | 23g/100g        |

Chemical Analysis

|               |       |
|---------------|-------|
| CaCO3 Content | 98.5% |
| Min Fe2O3     | 0.01% |
| Max MgO       | 0.02% |
| Max SiO2      | 0.03% |
| Max Al2O3     | 0.02% |

STANDARD PACKAGING

PP/PE 25kg bag | PP/PE 50kg bag | Jumbo bag