



Product Description: Ceramic Silicone Rubber

Key Features:

- Under the high temperature of fire, it doesn't melt and dripping, and can form hard ceramic layer.
- Flame retardance, high-temperature resistance and excellent electrical insulation properties.

Applications:

- Applicable to flame retardant and fire-resistant materials, such as fire-resistant wires, cables and sealing strips, etc.

Safety & Storage:

- Detailed safety information is contained in each material data safety sheet, which can be obtained from our website www.wpachemicals.com.
- The products have a shelf life of 9 months from date of manufacture depending on the shore hardness if stored at room temperature in the originally sealed container.

Packing:

- 20kg per carton lined with plastic bags or sheets.

Typical Data

Property	Product Data			Test Method
	NE-C50	NE-C60	NE-C70	
Appearance	White, no extraneous matter			Visual Inspection
Density, g/cm ³	1.35 ± 0.05	1.40 ± 0.05	1.42 ± 0.05	ASTM D792
Hardness, Shore A	55 ± 3	63 ± 3	70 ± 3	ASTM D2240
Tensile Strength, MPa ≥	5.5	6.5	6.0	ASTM D412 Die C
Elongation at Break, % ≥	350	300		ASTM D412 Die C
Tear Strength, kN/m ≥	15			ASTM D624 Die C
Volume Resistivity, Ω•cm ≥	1.0 × 10 ¹⁵			IEC 60093
Dielectric Constant (ε)	2.5-4.5			IEC 60250
Dielectric Loss, tg δ ≤	3 × 10 ⁻²			IEC 60250
Dielectric Strength, kV/mm ≥	20			IEC 60243
Flame Retardance 3mm	FV-0			IEC 60707

- Physical data in the above table is for reference only.
- Vulcanization condition: 175°C × 5Min.
- Ratio of curing agent 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane: 1.0%.

How to use

- When extruding, it is recommended to use 2,4-Dichlorobenzoyl peroxide.





Industrial use instructions:

- The users are obliged to understand the application scope and the usage of the products that will be used.
- Don't graft or inject the above product into human body.
- The testing report along with the goods is tested by our QA department on the basis of the vulcanizing condition and testing methods of our company.
- The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. The recommendations made in this leaflet over which we have no control, especially where other companies' raw materials are also being used. The recommendation do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights.
- Recommendations for use, is just a reference, do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

