

# DJSilicone NE-251

Silicone

DONGJUE SILICONE (NANJING) CO., LTD

## Message:

This product could be put to basic processing after adding vulcanizator DCBP. And it may not need second vulcanization when technical conditions properly controlled. It has excellent high and low temperature, electrical insulation, corona and arc resistance properties, which could be long-term used in temperature range from -60°C to 200°C. It is suitable for different kinds of electric wire cable, and parts for electrical insulator. Also this silicone rubber has excellent transparency, physical and mechanical properties, very suitable for cables, sealing strips and all kinds of transparent rubber tubes.

| General Information  |                           |                   |             |
|----------------------|---------------------------|-------------------|-------------|
| Features             | Arc Resistant             |                   |             |
|                      | Electrically Insulating   |                   |             |
|                      | High Clarity              |                   |             |
|                      | High Heat Resistance      |                   |             |
|                      | Low Temperature Resistant |                   |             |
| Uses                 | Electrical Parts          |                   |             |
|                      | Seals                     |                   |             |
|                      | Tubing                    |                   |             |
|                      | Wire & Cable Applications |                   |             |
| Appearance           | Translucent               |                   |             |
|                      | White                     |                   |             |
| Physical             | Nominal Value             | Unit              | Test Method |
| Density              | 1.13 to 1.23              | g/cm <sup>3</sup> | ASTM D1505  |
| Hardness             | Nominal Value             | Unit              | Test Method |
| Durometer Hardness   |                           |                   | ASTM D2240  |
| Shore A <sup>1</sup> | 50 to 54                  |                   |             |
| Shore A <sup>2</sup> | 48 to 52                  |                   |             |
| Elastomers           | Nominal Value             | Unit              | Test Method |
| Tensile Set          |                           |                   | ASTM D412   |
| -- <sup>3</sup>      | < 14                      | %                 |             |
| -- <sup>4</sup>      | < 12                      | %                 |             |
| Tensile Strength     |                           |                   | ASTM D412   |
| Yield <sup>5</sup>   | > 8.00                    | MPa               |             |
| Yield <sup>6</sup>   | > 7.50                    | MPa               |             |
| Tensile Elongation   |                           |                   | ASTM D412   |
| Break <sup>7</sup>   | > 380                     | %                 |             |
| Break <sup>8</sup>   | > 440                     | %                 |             |
| Tear Strength        | > 20.0                    | kN/m              | ASTM D624   |

| Electrical          | Nominal Value | Unit    | Test Method |
|---------------------|---------------|---------|-------------|
| Volume Resistivity  | > 3.0E+14     | ohms·cm | ASTM D257   |
| Dielectric Strength | > 20          | kV/mm   | ASTM D149   |

#### NOTE

- |    |          |
|----|----------|
| 1. | For Tube |
| 2. | For Line |
| 3. | For Line |
| 4. | For Tube |
| 5. | For Line |
| 6. | For Tube |
| 7. | For Tube |
| 8. | For Line |

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