

# CHIMEI

a step up

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## General SAN KIBISAN® PN-137H

Product Description: High strength Chemical resistant

| Properties                              | ISO Test Method | Test Condition           | Unit              | PN-137H                  |
|-----------------------------------------|-----------------|--------------------------|-------------------|--------------------------|
| Melt Flow Index                         | 1133            | 220°C×10KG               | ml/10 min         | 12                       |
| Mass Density                            | 1183            | 23 °C                    | g/cm <sup>3</sup> | 1.06                     |
| Tensile Strength                        | 527             | 50 mm/min, yield         | MPa               | 83                       |
|                                         |                 | 50 mm/min, break         | MPa               | 83                       |
| Tensile Elongation                      | 527             | 50 mm/min                | %                 | 7                        |
| Flexural Strength                       | 178             | 2 mm/min                 | MPa               | 123                      |
| Flexural Modulus                        |                 | 2 mm/min                 | GPa               | 4                        |
| Izod Impact Strength                    | 180/1A          | 23°C, Notched            | KJ/m <sup>2</sup> | 3                        |
|                                         |                 | -30°C, Notched           | KJ/m <sup>2</sup> | –                        |
| Charpy Impact Strength                  | 179             | 23°C, Notched            | KJ/m <sup>2</sup> | 3                        |
|                                         |                 | Charpy<br>-30°C, Notched | KJ/m <sup>2</sup> | –                        |
| Vicat Softening Temp.                   | 306             | 50°C/hr;1KG              | °C                | 108                      |
|                                         |                 | 50°C/hr;5KG              | °C                | 105                      |
| Heat Distortion Temp.                   | 75/A            | 1.8MPa, unannealed       | °C                | 91                       |
|                                         |                 | 1.8MPa, annealed         | °C                | 102                      |
| Coefficient of Linear Thermal Expansion | 11359           | -                        | -                 | 3.6~3.8*10 <sup>-5</sup> |
| Flammability                            | -               | UL-94                    | -                 | 1.5mm HB                 |
| Mold Shrinkage                          | 294-4           | -                        | %                 | 0.2~0.7                  |
| Symbol                                  | 1043            | -                        | -                 | >SAN<                    |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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