



SPA-N

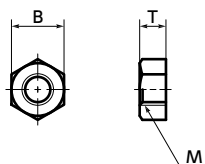
## SPA-N/SPA-W

Plastic Hex Nut • Washer - RENY

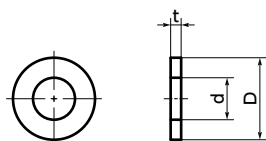
High strength



SPA-N



SPA-W



## ● Material/Finish



| SPA-N / SPA-W                 |                                                     |
|-------------------------------|-----------------------------------------------------|
| Main body                     | RENY™*1 (50% Glass Fiber Reinforced Polyamide MXD6) |
| Heat Resistance Temperature*2 | 105°C                                               |

\*1: RENY™ is a trademark or registered trademark of Mitsubishi Gas Chemical Company, Inc.

\*2: This is the value for the plastic material. The maximum operating temperature of the product changes with performance conditions such as tightening torque.

- RENY™ is a thermoplastic super-engineering plastic with excellent tensile and flexural strength.
- Screws have excellent fatigue resistance, creep resistance, and thermal insulation.
- It has a hardness level near that of metal but its mass is 1/5th that of iron.
- The properties and precautions of plastic screws

## ● Application

Electrical and electronic equipment, insulation and dew condensation prevention for refrigerators and freezers, aquatic applications, electrochemical plating, lightweight applications in automobiles, aircrafts, and spacecrafts

## ● Part number specification

## SPA-M5-N



## SPA-N Hex Nuts

Unit : mm

| Part Number | M (Coarse)        |       | B   | T   | Mass (g) | Qty per pack |
|-------------|-------------------|-------|-----|-----|----------|--------------|
|             | Nominal of Thread | Pitch |     |     |          |              |
| SPA-M2-N    | M2                | 0.4   | 4   | 1.6 | 0.027    | 50           |
| SPA-M2.6-N  | M2.6              | 0.45  | 5   | 2   | 0.05     | 50           |
| SPA-M3-N    | M3                | 0.5   | 5.5 | 2.4 | 0.072    | 50           |
| SPA-M4-N    | M4                | 0.7   | 7   | 3.2 | 0.17     | 50           |
| SPA-M5-N    | M5                | 0.8   | 8   | 4   | 0.25     | 20           |
| SPA-M6-N    | M6                | 1     | 10  | 5   | 0.51     | 20           |
| SPA-M8-N    | M8                | 1.25  | 13  | 6.5 | 1.1      | 20           |
| SPA-M10-N   | M10               | 1.5   | 17  | 8   | 2.4      | 10           |
| SPA-M12-N   | M12               | 1.75  | 19  | 10  | 3.5      | 10           |
| SPA-M16-N   | M16               | 2     | 24  | 18  | 8.9      | 5            |

● When purchasing less volume than one full bag, a separate handling fee is charged. For details, see the Sold Separately Service.

## SPA-W Washers

Unit : mm

| Part Number | d    | D    | t   | Nominal | Mass (g) | Qty per pack |
|-------------|------|------|-----|---------|----------|--------------|
| SPA-3-W     | 3.2  | 7    | 0.5 | 3       | 0.025    | 50           |
| SPA-4-W     | 4.3  | 9    | 0.8 | 4       | 0.065    | 50           |
| SPA-5-W     | 5.3  | 10   | 1   | 5       | 0.093    | 50           |
| SPA-6-W     | 6.4  | 12.5 | 1.6 | 6       | 0.24     | 20           |
| SPA-8-W     | 8.4  | 17   | 1.6 | 8       | 0.45     | 20           |
| SPA-10-W    | 10.5 | 21   | 2   | 10      | 0.86     | 20           |
| SPA-12-W    | 13   | 24   | 2.5 | 12      | 1.3      | 20           |
| SPA-16-W    | 17   | 30   | 3   | 16      | 2.4      | 10           |

● When purchasing less volume than one full bag, a separate handling fee is charged. For details, see the Sold Separately Service.

|                           |                                     |                                  |                              |                                               |
|---------------------------|-------------------------------------|----------------------------------|------------------------------|-----------------------------------------------|
| Individual Sales → P.0000 | Cleanroom Wash & Packaging → P.0000 | Screw Length Adjustment → P.0000 | Vibration Resistant → P.0000 | Modification process for captive use → P.0000 |
| Available / Add'l charge  | Available / Add'l charge            | Not Available                    | Not Available                | Not Available                                 |