


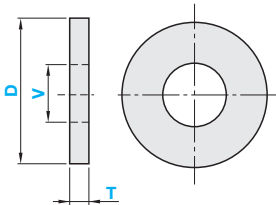
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Malaysia, Indonesia and/or India offices.

# Urethane Washers, Rubber Washers

## Washer Package

Offers punching-processed washers at reasonable price.

| Type   | Type      | Material                               | Hardness  | Color         |
|--|-----------|--|-----------|---------------|
| Urethane Washers, Rubber Washers - Package No Adhesive | PACK-URWH | Standard Urethane (Ether Polyurethane) | Shore A90 | Natural Color |
|  | PACK-URWM |  | Shore A70 |               |
|  | PACK-WRBN | Nitrile Rubber                         | Shore A70 | Black         |
|  | PACK-WRBC | Chloroprene Rubber                     | Shore A65 | Black         |

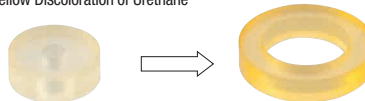
For tolerance, refer to Specification Table.

### Notes

Blanking (Punching) may cause concave on the O.D. For T dimension 3, 5mm, the center of the washer may deform into dented shape while it hardly deforms for T dimension 1mm.

Note that Urethane turns yellow by aging, but physical property or characteristics remain unchanged.

• Yellow Discoloration of Urethane



| Part Number                                  | Type | D Selection | V Selection | T Selection | Tolerance |        |      |        | Pcs. per Package |         |  |  |
|--|------|-------------|-------------|-------------|-----------|--------|------|--------|------------------|---------|--|--|
|  |      |             |             |             | T1, 3     |        | T5   |        | T1, 3            | T5      |  |  |
|  |      |             |             |             | D         | V      | D    | V      |                  |         |  |  |
| PACK-URWH<br>(Urethane, Shore A90)           |      | 8           | 3 4         | 1 3         | ±0.6      | 0~+0.6 | ±0.7 | 0~+0.7 | 100 pcs.         | 50 pcs. |  |  |
|  |      | 10          | 3 4 5 6     | 1 3 5       |           |        |      |        |                  |         |  |  |
| PACK-URWM<br>(Urethane, Shore A70)           |      | 12          | 5 6 8       | 1 3 5       | ±0.8      | 0~+0.8 | ±0.9 | 0~+0.8 |                  |         |  |  |
|  |      | 15          | 6 8 10      | 1 3 5       |           |        |      |        |                  |         |  |  |
| PACK-WRBN<br>(Nitrile Rubber, Shore A70)     |      | 20          | 8 10 12     | 3 5         |           |        |      |        |                  |         |  |  |
|  |      | 25          | 10 12 16    | 3 5         | ±0.9      | 0~+0.9 | ±1.0 | 0~+1.0 |                  |         |  |  |
| PACK-WRBC<br>(Chloroprene Rubber, Shore A65) |      | 30          | 10 12 16    | 3 5         |           |        |      |        | 50 pcs.          |         |  |  |



Ordering Example

Part Number - V - T  
 Example PACK-URWH20 - 10 - 5

| Part Number                                      | Type | D Selection | Unit Price                         |    |    |                                    |    |    |  |    |    |  |    |    |
|--|------|-------------|------------------------------------|----|----|------------------------------------|----|----|--|----|----|--|----|----|
|  |      |             | PACK-URWH<br>(Urethane, Shore A90) |    |    | PACK-URWM<br>(Urethane, Shore A70) |    |    | PACK-WRBN<br>(Nitrile Rubber, Shore A70) |    |    | PACK-WRBC<br>(Chloroprene Rubber, Shore A65) |    |    |
|  |      |             | T1                                 | T3 | T5 | T1                                 | T3 | T5 | T1                                       | T3 | T5 | T1   | T3 | T5 |
| PACK-URWH<br>PACK-URWM<br>PACK-WRBN<br>PACK-WRBC |      | 8           |                                    |    | -  |                                    |    | -  |  |    | -  |  |    | -  |
|  |      | 10          |                                    |    |    |                                    |    |    |  |    |    |  |    |    |
|  |      | 12          |                                    |    |    |                                    |    |    |  |    |    |  |    |    |
|  |      | 15          |                                    |    |    |                                    |    |    |  |    |    |  |    |    |
|  |      | 20          |                                    |    |    |                                    |    |    |  |    |    |  |    |    |
|  |      | 25          | -                                  |    |    | -                                  |    |    | -  |    |    | -  |    |    |
|  |      | 30          |                                    |    |    |                                    |    |    |  |    |    |  |    |    |