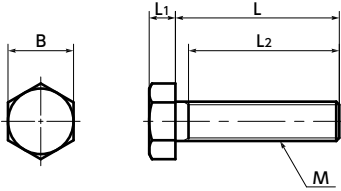


# SPE-H Plastic Screw - Hex Head Screws - PEEK



Selection Tool   
 CAD Download   
 Chemical-proof



● Material/Finish



|                              |                  |
|------------------------------|------------------|
|                              | <b>SPE-H</b>     |
| Main body                    | PEEK/Light brown |
| Heat Resistance Temperature* | 180°C            |

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



**Precautions for Use**

Because a cumulative pitch difference is created when PEEK screws are manufactured, use these screws with nuts. If a nut is not used, use a 20 mm or less fit with female thread.

- PEEK is a thermoplastic super-engineering plastic with excellent physical and chemical properties.
- These screws have excellent chemical resistance. They are mostly unaffected by chemicals excluding concentrate sulfuric acid, concentrate nitric acid, and concentrate hydrofluoric acid.
- These screws have excellent heat resistance, water resistance, and high heat resistance strength.
- These screws have excellent abrasion, shock, and fatigue resistance.
- They have high incombustibility that meets V-0 of UL 94.
- The properties and precautions of plastic screws → P.724

● Application

FPD production equipment, semiconductor devices, printed circuit board etching devices, metallic surface treatment equipment and facilities, chemical plants, transformers, electrical and electronic equipment, hot water pumps, and chemical pumps

Unit : mm

| Part Number      | M   | L |    |    |    |    |    |    |    |    | B  | L1  | L2*1        | Tension*2<br>Rupture Load (N) | Torsional*2<br>Torque (N·m) | Mass (g)    |
|------------------|-----|---|----|----|----|----|----|----|----|----|----|-----|-------------|-------------------------------|-----------------------------|-------------|
| <b>SPE-M4-H</b>  | M4  | 8 | 10 | 15 | 20 | 25 |    |    |    |    | 7  | 2.8 | Full Thread | 765                           | 0.64                        | 0.26 - 0.48 |
| <b>SPE-M5-H</b>  | M5  |   | 10 | 15 | 20 | 25 | 30 |    |    |    | 8  | 3.5 | Full Thread | 1230                          | 1.28                        | 0.46 - 0.88 |
| <b>SPE-M6-H</b>  | M6  |   | 10 | 12 | 15 | 20 | 25 | 30 | 35 | 40 | 10 | 4   | Full Thread | 1670                          | 2.26                        | 0.75 - 1.6  |
| <b>SPE-M8-H</b>  | M8  |   | 10 | 15 | 20 | 25 | 30 |    |    | 40 | 13 | 5.5 | Full Thread | 3090                          | 5.98                        | 1.6 - 4.1   |
| <b>SPE-M8-H</b>  | M8  |   |    |    |    |    |    |    |    | 50 | 13 | 5.5 | 27          | 3090                          | 5.98                        | 1.6 - 4.1   |
| <b>SPE-M10-H</b> | M10 |   |    |    | 20 | 25 | 30 |    |    |    | 17 | 7   | Full Thread | 4900                          | 10.8                        | 4 - 4.8     |

\*1 If the "L" value is other than the value in parentheses, the screw is full thread.

\*2 Values in chart are for reference only. They are not guaranteed values. The recommendation torque is 50% of the torsional torque.

● The M4 has a slot in its head.

| Part Number      | Qty per pack*1 |
|------------------|----------------|
| <b>SPE-M4-H</b>  | 10             |
| <b>SPE-M5-H</b>  | 10             |
| <b>SPE-M6-H</b>  | 10             |
| <b>SPE-M8-H</b>  | 5              |
| <b>SPE-M10-H</b> | 1              |

\*1 The minimum order quantity is 1 piece. → P.794

● Related Products

**SPE-N** Plastic Hexagon Nut (PEEK) is available.

→ P.741



● Part number specification

## SPE - M5 - 20 - H

Product Code **1** **2** Product Code

Order in number of packs.

The minimum order quantity is 1 piece. → P.794

|                          |                                    |                                 |                             |  |
|--------------------------|------------------------------------|---------------------------------|-----------------------------|--|
| Individual Sales → P.794 | Cleanroom Wash & Packaging → P.792 | Screw Length Adjustment → P.796 | Vibration Resistant → P.795 | Modification process for captive use → P.791 |
| Available / Add'l charge | Available / Add'l charge           | Available / Add'l charge        | Not Available               | Please feel free to contact us               |