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SPDC-C Plastic Screws - Hex Socket Head Cap Screws - VESPEL (Grade: SCP - 5000)

Heat-resistance Chemical-proof

## 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

## Material/Finish

<ul> <li>Material/Finish</li> </ul>	🚺 RoHS
	SPDC-C
Main Body	VESPEL SCP-5000 (Non-thermoplastic Polyimide Resin)
Heat Resistance Temperature*1	350℃

• VESPEL is a registered trademark of DuPont.

\*1: This is the value for the resin material. The operating temperature of the product changes with performance conditions such as tightening torque.



- VESPEL SCP-5000 is a non-thermoplastic superengineering plastic with excellent physical and chemical properties.
- This material maintains high strength and flexibility even under high temperatures and does not soften up to 350℃. Due to its stable and long-term heat resistance, it has a continuous duty temperature of 350℃.
- The screws have excellent chemical resistance, plasma resistance, radiation hardness, and abrasion resistance.
- Thanks to the powder compression molding method, no bubbles blend in and outgas quantity is extremely low. → P.xxxx
- Cleanroom wash and cleanroom packing are completed.  $\rightarrow$  P.xxxx

																Unit : mm
Part Number	M (Coarse) <del>1</del>			_								_			Torsional*1	
	Nominal of Thread	Pitch	L 🔁									D1	L1	В	Torque (N∙m)	Mass (g)
SPDC-M3-C	M3	0.5	6	8	10	12	16					5.5	3	2.5	0.21	0.13 - 0.21
SPDC-M4-C	M4	0.7	6	8	10	12	16	20	25			7	4	3	0.47	0.28 - 0.58
SPDC-M5-C	M5	0.8		8	10	12	16	20	25	30		8.5	5	4	0.98	0.45 - 1
SPDC-M6-C	M6	1			10	12	16	20	25	30	40	10	6	5	1.65	0.86 - 2
SPDC-M8-C	M8	1.25			10	12	16	20	25	30	40	13	8	6	4.04	1.9 - 3.8

\*1: Values in chart are for reference only. They are not guaranteed values. The recommendation torque is 50% of the torsional torque.

## • Part number specification



Batch cleanroom packing is provided for orders containing multiple items of the same size.

👖 Inclividual Sales 🔶 P.xxxx 🕵 Cleanroom Wash & Packaging 🔶 P.xxxx 🖬 🖬 Screw Length Adjustment 🄶 P.xxx 💶 Vibration Resistant 🔶 P.xxxx 🎬 Modification process for captive use 🄶 P.xxx 1 piece in 1 pack Cleanroom washed and packed Available / Add'l charge Not Available Please feel free to contact us