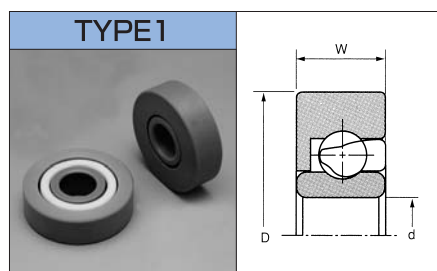


## PEEK/PVDF

### CHEMICAL AND HEAT RESISTANCE BEARINGS:

PEEK/PVDF bearings have much better chemical and heat resistance than our conventional PE SERIES BEARINGS. These bearings are suitable for use in these environments: automated systems used in chemical processing; transportation systems used in chemical processing; washing and cleaning systems used in the medical and semiconductor industries where chemical solution and high heat are present.



Code	Part No.	D <sub>-0.1</sub> [mm]	d <sup>+0.12</sup> <sub>0</sub> [mm]	W <sub>-0.2</sub> [mm]	Balls material *1	Outer and Inner races*2	Retainer material *3
801009	PK-30-GHP10	30	10	9	ガラス	PEEK	PTFE
—	PV-30-GHP10	30	10	9	ガラス	PVDF	PTFE
—	PK-32-GHP12	32	12	10	ガラス	PEEK	PTFE
—	PV-32-GHP12	32	12	10	ガラス	PVDF	PTFE
—	PK-35-GHP15	35	15	11	ガラス	PEEK	PTFE
—	PV-35-GHP15	35	15	11	ガラス	PVDF	PTFE

- \*1 Ball Material: G=Glass. Ceramic balls can be used, please contact our sales/engineering department for more details.
- \*2 Outer/Inner Race Material: PEEK=Polyetheretherketone; PVDF=Polyvinylidene fluoride.
- \*3 Retainer Material: PTFE=Polytetrafluoroethylene.
- \*4 Size limits can be modified for practical applications. Please contact our sales/engineering departments for further information and assistance.  
These bearings are lubricant free and are made to order.

Materials	Chemical Resistance Resin					Other Resin			
	P T F E	P C T F E	P V D F	P E E K	U H M W P E	P A	P O M	P P	P V C
Temperature Resistance [°C]	130	80	80	130	60	70	50	50	35
Mechanical	△	○	○	◎	○	○	◎	○	○
Electrical	◎	○	○	◎	△	△	△	◎	△
Chemical proof	Acid	◎	◎	○	○	×	×	○	○
	Alkalis	◎	◎	○	◎	○	×	△	○
	Solvents	◎	○	○	◎	△	×	○	△

Information provided is for reference only.  
Materials only reflect standard characteristics provided by technical books and material supplier's catalogs.

(Explanation of Codes)

- ◎ : GOOD .....Acceptable—Visually free of any corrosive affect. Durable for field applications.
- : FAIR .....Limited—Slight corrosion influence, but can be used for specific field applications in ambient conditions
- △ : AVERAGE .....Unacceptable—Yielding and not applicable
- × : IMPROPER.....No rating—easily corrodes and not usable

### TOK BEARING CO.,LTD.

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Product specification are subject to change without prior notice.

**Before assembly or use of any bearing, please read "Caution for Use"**