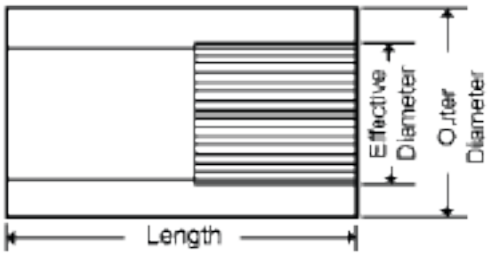
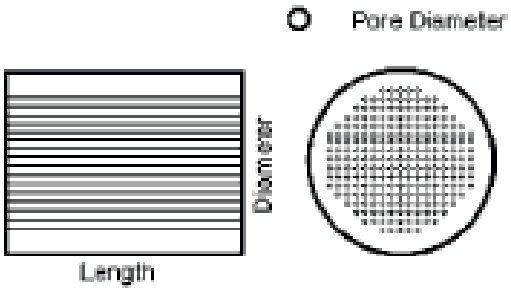
SINTERED VENTS



PLASTIC INJECTION MOLDING (Pore Diameter: 0.03–0.10mm)				
CAT. NO.	O.D.	EFF. D.	PORES	L
003–0610	6	2.5	880	10
003–0810	8	2.5	880	10
003–1010	10	2.5	880	10
005–0610	6	3.5	880	10
005–0810	8	3.5	880	10
005–1010	10	3.5	880	10
01–0810	8	5.5	880	10
01–1010	10	5.5	880	10



KIC Sintered Vents are composed of several straight and uniform pores made through a unique process to allow air or gas that gets trapped inside the mold cavity during the injection or die casting process to escape freely. To optimize mold design and reduce the possibility of manufacturing defective parts, specify strategically placed insertion points to hold the vents.

KIC Sintered Vents with ultra fine pores (diameters of 0.03mm) have been used successfully in venting systems for plastic injection mold applications. The passage of trapped air and gases can be properly released while blocking the escape of molten plastic. With KIC Sintered Vents, you get shorter shot-cycles while dramatically increasing productivity.

KIC Sintered Vents with a pore diameter of 0.4mm are suitable for larger, gravity die-cast parts, while 0.5mm diameter vents are more suited for smaller parts. Low pressure die-cast, or vacuum casting parts require pore diameters between 0.2 and 0.3mm.

LOW PRESSURE DIE-CASTING AND VACUUM CASTING (Pore Diameter: 0.3± mm)			
CAT. NO.	DIA.	PORES	L
03–0510	5	90	10
03–0610	6	90	10
03–0615	6	90	15
03–0810	8	200	10
03–0815	8	200	15
03–1010	10	340	10
03–1015	10	340	15
03–1210	12	340	10
03–1215	12	340	15
03–1415	14	550	15

GRAVITY DIE-CASTING (Pore Diameter: 0.5± mm)			
CAT.NO.	DIA.	PORES	L
05–0310	3	40	10
05–0410	4	40	10
05–0510	5	60	10
05–0610	6	60	10
05–0615	6	60	15
05–0810	8	100	10
05–0815	8	100	15
05–1010	10	200	10
05–1015	10	200	15
05–1210	12	200	10
05–1215	12	200	15
05–1415	14	340	15
05–1615	16	240	15
05–1815	18	550	15
05–2015	20	550	15
05–2815	28	970	15

PRODUCTIVITY: Fast and easy exchange of venting plugs; easy cleaning of molding dies. EFFICIENCY: Perforation volumes are 5–30 times higher than ordinary venting plugs.

DURABILITY: Decrease replacement frequency of venting plugs.

QUALITY: Drastically decreases defects such as pin holes, mis-run, and short-shots.

SELECTION: Pore sizes range from 0.03 to 0.5mm; length and diameter of vents to meet your needs.

PLEASE NOTE

- We can supply custom vents made to your specification.
- During installation, do not strike the vent pores.
- Keep insertion tolerances between 0.025 and 0.05mm.
- Actual pore diameters and specifications may vary slightly and are subject to change without notice.

- CODING SYSTEM EXAMPLE: 005–0610
- 0.05 Pore Dia. (mm) 06 Vent Dia. (mm) 10 Vent L. (mm)