



# AOKEROLA GROUP

AOKEROLA (USA) LLC  
SHANDONG AOKEROLA ADVANCED MATERIAL TECHNOLOGY CO., LTD.

## CERAMIC ROLLER

H.S. code 6909.12

### PHYSICAL & CHEMICAL CHARACTERISTICS

ITEMS	UNIT	OK979	OK989	OK999	OK1001	OK909 (SiC CARBIDE)	OK808 (WITH GEAR)
APPLICATION AREA IN TILE KILN	/	PREHEATING ZONE	FIRING ZONE	FIRING ZONE	FIRING ZONE	RAPID COOLING ZONE	RAPID AND SLOW COOLING ZONE
MARKING COLOR	/						
MAX. SERVICE TEMPERATURE	°C	1250	1350	1400	1350	1100	1350
REFRACTORY DEGREE	°C	1700~1750	1750~1800	≥1860	1750~1800	1400~1500	1750~1800
RATE OF WATER ABSORPTION	%	6.0~8.0	4.0~6.0	3.0~5.0	6.0~8.0	7.0~8.0	4.0~6.0
ANTI-BENDING STRENGTH	MPa	50~60	60~70	70~80	60~70	50~70	60~70
THERMAL SHOCK RESISTANCE	/	★★★	★★★★★	★★★★★	★★★★★★★	★★★★★	★★★★★
Al <sub>2</sub> O <sub>3</sub> CONTENT	%	73~75	76~78	≥80	≥80	50~60	76~78
ZrO <sub>2</sub> CONTENT	%	0	4.0~6.0	4.0~6.0	4.0~6.0	0	4.0~6.0
SiC CONTENT	%	0	0	0	0	20~30	0

### STANDARD DIMENSIONS

DIAMETERS (mm)	LENGTH (mm)	DIAMETERS (mm)	LENGTH (mm)
65~80	3000 ~ 5300	40	2000 ~ 3500
60	2700 ~ 5000	36	2000 ~ 3300
55	2700 ~ 5000	35	2000 ~ 3200
52	2400 ~ 5000	33.7	1800 ~ 3100
50	2400 ~ 4600	32	1800 ~ 3100
45	2200 ~ 3800	20-31	1600 ~ 3100
42	2200 ~ 3800	12-19	1200 ~ 2800

**NOTE:**

The technical data shown are indicative and they have been drawn, where possible, from official standard internal tests. They serve to give general information, they are liable to natural deviations, depending on production and shape and they are not to be guaranteed properties or guaranteed values and can be changed without notice.

The other dimensions which not shown in the above table could be customized upon request.

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