







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	8.0-9.0	4.0-6.0
ANTI-BENDING STRENGTH	MPa	50-60	60-70	70-80	60-70	50-70	60-70
THERMAL SHOCK RESISTANCE	/	★★★	★★★★★	★★★★★	★★★★★★★	★★★★★	★★★★★
Al ₂ O ₃ CONTENT	%	73-75	76-78	≥80	≥80	≥20	76-78
ZrO ₂ CONTENT	%	-	4.0-6.0	4.0-6.0	4.0-6.0	-	4.0-6.0
SiC CONTENT	%	-	-	-	-	≥40	-
SiO ₂ CONTENT	%	-	-	-	-	≥35	-

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